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RESULTS
OF
OBSERVATIONS OF THE FIXED STARS

MADE WITH THE
MERIDIAN CIRCLE

AT THE
GOVERNMENT OBSERVATORY, MADRAS,

IN THE YEARS
1865, 1866 AND 1867,

UNDER THE DIRECTION OF

NORMAN ROBERT POGSON,

C.I.E., F.R.A.S., & F.M.U.

GOVERNMENT ASTRONOMER AT MADRAS.

PUBLISHED BY ORDER OF THE GOVERNMENT OF MADRAS.

M A D R A S .
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INTRODUCTION.

A brief history and description of the Madras Observatory and its appliances, from 1792 to the present time, was given in the volume of *Madras Meridian Circle Observations*, 1862, 1863, 1864. It is therefore sufficient on this occasion to state that the observations of fixed stars during the next three years, the results of which are contained in this volume, were made and reduced upon the same plan as those in the former publication. The only changes introduced are in the arrangement of the Separate Results for each year, which have been printed in double column to save space; and in the flexure correction, which was inadvertently applied twice its proper amount up to the end of the year 1864. In consequence of this oversight the Polar Distances in the last volume will require a small correction to make them comparable with those in the present and future volumes of *Madras Meridian Circle Observations*. The necessary corrections will be furnished with sufficient accuracy by the following table.

From P.D.	Corr.	From P.D.	Corr.	From P.D.	Corr.	From P.D.	Corr.
°	"	°	"	°	"	°	"
0	— 0·9	44	— 0·4	79	+ 0·1	117	+ 0·6
3	— 0·8	52	— 0·3	86	+ 0·2	126	+ 0·7
14	— 0·7	59	— 0·2	93	+ 0·3	137	+ 0·8
25	— 0·6	66	— 0·1	100	+ 0·4	150	} + 0·9
35	— 0·5	73	0·0	108	+ 0·5	& S.P.N.	

The flexure correction finally adopted is,

$$0^{\circ}85 \times \sin \text{Zenith Distance}$$

additive to all Polar Distances under 77° and subtractive from those of greater amount as well as from all observations below pole.

The observations were made throughout the three years by the two chief assistants, C. Ragoonatha Charry and T. Moottoosawmy Pillay, and with occasional exceptions were satisfactory; but it is much to be regretted that the reductions were not completed until both had so deteriorated, mentally and physically, that it has been a labor of unforeseen extent to detect and correct their numerous errors of calculation. The revision of every kind of reduction has to be gone through by the Astronomer personally before publication can be safely ventured upon. With no European assistance and too inadequate a staff of natives even to admit of duplicate calcu-

lations, this is not so much a matter of surprise as of disappointment, present delay and too numerous errata. The experience of the two volumes now published will considerably aid the progress and accuracy of future ones, but the task is severe and it is to be hoped peculiar to the Madras Observatory.

The instrumental corrections used during the three years have been exhibited to give a general idea as to the stability of the Meridian Circle when in proper working order. Owing however to a most unaccountable occurrence, such was not the case between March and July 1866, when the index correction will be found subject to most capricious changes, and the inclination correction, though less affected, far from steady. This was very simply explained in July, by finding, what no one could have suspected, that the object glass was unscrewed about one-sixth of a revolution. No clue was obtainable as to who had done the mischief, nor even as to when it was perpetrated, beyond that there was no trace of such defect before February 28th of the same year. Some stranger, who knew too much and too little about instruments, must have tampered with the object glass to gratify idle curiosity, about the end of February, and not having screwed it securely home, left it subject to a tilt on passing the zenith or nadir, which caused a sudden change in the index correction, at first a little under 2". The continual use of the instrument increased the looseness of the object glass, so that by the end of April the effect upon the index error had increased to about 5" and by July it had nearly reached 8". This was immediately rectified when the source of error was detected, on July 11th, and the usual stability of the instrument was at once restored. The foundations are however subject to a slow change, as the ground temperature or perhaps rather the dryness of the soil increases, from the cool season to the hot midsummer; and also to sudden disturbances after heavy rain, instances of which may be seen in the last three months of most years.

It would no doubt have been better to have rejected all the observations taken between March and July 11th and to have had them repeated in another year; but on finding that the observed nadir points always gave either fairly good or unmistakeably erroneous Polar Distances, to avoid such wholesale loss of work done, each observation taken during the time was compared with previous or subsequent determinations and the results accepted or rejected accordingly. Out of 1146 observations made during the time of uncertainty 255 were thus necessarily rejected. The misfortune was not however without a useful result, as it was this unexpected and

enforced examination which first realized the general trustlessness of the old native assistants' reductions and the absolute necessity of personal revision by the Astronomer. In the results already printed, these careless mistakes being unforeseen were unfortunately not detected until the separate results had been struck off, causing a most undesirable list of errata and in some cases even involving the reprinting of a few forms. It is hoped however that the scrupulous previous revision now adopted will obviate such annoyance and delay in the publication of the results of future years.

The persistence of the positive sign in the Polar Distance columns of the last table of *Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions*, clearly indicates the necessity of an increase of the assumed latitude. It would appear that the value adopted by Mr. T. G. Taylor in the old Madras Catalogue for 1835, viz., $13^{\circ} 4' 9''.1$, was nearer the truth than that preferred by his successor, Captain W. S. Jacob, which was $1''$ smaller and has been used ever since. This will of course be discussed and allowed for before the final catalogue for 1875 is constructed, but cannot be safely decided at the present time.

The large differences in both R. A. and P. D. of the seven southern stars not observable in Europe, are due to the erroneous positions adopted in the Nautical Almanacs for the respective years; before the improved places furnished by the observations at the Cape Royal Observatory and at Melbourne were available, and when those of the old *British Association Catalogue* were still unavoidably taken. When the Madras Mean Positions of these stars are compared with the more modern values now used in the Nautical Almanac, reduced back to the required years, the corrections are pretty much the same as those for all the other stars in the list.

For α Centauri, the Nautical Almanac gives α as being the principal star, whereas α^1 was the brighter first-magnitude member of the pair, and α^2 , the companion, was $7''.5$ north following $0^{\circ} 31'$ of α^1 .

Besides the positions of fixed stars given in this volume, the Moon was also observed with the Meridian Circle on 176 nights, Mars on 33 at the opposition of 1867, and minor Planets on 209 occasions during the three years; but these are deferred until the Star Catalogue is completed, when a volume of planetary and cometary observations will it is hoped follow. My own judgment would have led me to publish this first and the star work afterwards.

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Jan. 4	+ 26	- 01	- 015	- 042	- 010	+ 000	
6	+ 21	- 01	- 001	- 036	- 006	+ 000	43 R. P. L. and γ^1 Eridani.
7	+ 16	- 01	+ 003	- 038	- 006	+ 008	
9	+ 21	- 01	- 001	- 037	- 006	+ 006	
10	+ 20	- 01	- 004	- 034	- 006	+ 005	35 R. P. L. and ϵ Urs. Min.
11	+ 11	- 01	000	- 027	000	+ 005	
12	+ 13	- 01	+ 004	- 033	- 002	+ 005	
13	+ 11	- 01	+ 008	- 034	- 003	+ 005	
14	+ 09	- 01	+ 010	- 039	- 008	+ 004	
17	+ 07	+ 02	+ 017	- 030	+ 001	+ 004	51 Cephei and δ Urs. Min.
18	+ 12	+ 02	+ 012	- 033	- 004	+ 006	
19	+ 10	+ 02	- 005	- 033	- 001	+ 008	
20	+ 06	+ 02	- 001	- 033	000	+ 010	
21	+ 02	+ 02	+ 006	- 033	000	+ 012	51 Cephei and λ Urs. Min.
23	- 03	+ 02	+ 007	- 037	- 005	+ 010	
24	+ 01	+ 02	+ 007	- 033	- 002	+ 009	
25	- 01	+ 02	+ 007	- 036	- 006	+ 007	
26	+ 04	+ 02	+ 006	- 034	- 005	+ 006	
27	+ 05	+ 02	+ 011	- 032	- 003	+ 005	51 Cephei and δ Urs. Min.
28	- 06	- 01	+ 014	- 039	- 003	+ 003	
30	00	- 01	+ 011	- 036	- 008	- 001	
31	- 04	- 01	+ 009	- 041	- 009	- 002	
Feb. 2	- 05	- 03	+ 025	- 030	- 004	- 006	
3	- 08	- 03	+ 019	- 030	- 005	- 008	Pollux and δ Urs. Min.
4	- 10	- 03	+ 003	- 030	- 005	- 007	
6	- 06	- 03	+ 016	- 025	- 002	- 004	
8	- 09	- 03	+ 010	- 031	- 003	- 001	43 R. P. L. and ϵ Urs. Min.
9	- 00	- 03	+ 006	- 029	- 006	- 001	
10	+ 04	- 03	- 010	- 027	- 006	- 001	
11	- 03	- 03	- 009	- 014	+ 004	- 002	
13	+ 04	- 03	+ 036	- 022	- 002	- 002	
14	- 03	- 03	+ 016	- 027	- 006	- 002	
15	- 06	+ 03	+ 001	- 017	+ 001	- 003	
16	- 01	+ 01	+ 010	- 019	- 005	- 003	51 Cephei and δ Urs. Min.
17	+ 02	+ 01	+ 011	- 017	+ 001	- 001	
18	00	+ 01	+ 010	- 012	+ 004	000	
20	- 08	+ 01	+ 022	- 009	+ 008	+ 003	
21	+ 02	+ 01	+ 025	- 010	+ 002	+ 004	
22	- 09	+ 01	+ 021	- 017	+ 003	+ 006	51 Cephei and λ Urs. Min.
23	- 02	+ 01	+ 031	- 014	+ 005	+ 005	
24	- 04	+ 01	+ 027	- 025	000	+ 005	
25	- 01	+ 01	+ 014	- 016	+ 008	+ 004	
27	00	+ 01	+ 046	- 018	+ 007	+ 003	
28	- 07	+ 01	+ 037	- 022	- 004	+ 002	
Mar 1	- 03	- 03	+ 019	- 019	- 007	+ 002	
2	- 06	- 03	+ 022	- 023	- 005	+ 001	45 and 131 R. P. L.
3	+ 01	- 03	+ 023	- 021	- 004	+ 001	
4	- 06	- 03	+ 021	- 022	- 005	+ 002	
6	- 01	- 03	+ 026	- 015	- 001	+ 002	
7	00	- 03	+ 030	- 015	000	+ 003	
9	+ 02	- 03	+ 019	- 015	000	+ 004	
10	- 05	- 03	+ 017	- 008	+ 004	+ 004	40 R. P. L. and 15 Argus
11	- 02	- 03	+ 019	- 007	+ 003	+ 004	
13	00	- 03	+ 018	- 004	+ 007	+ 004	
14	- 04	- 03	+ 023	- 003	+ 000	+ 004	
15	- 05	- 03	+ 023	- 021	- 005	+ 001	
16	00	+ 04	+ 017	- 012	- 003	+ 004	

Jan. 2. — Index and inclination correction interpolated.

Instrumental Corrections adopted in 1865.

Date	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Colli- mation.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Mar. 17	+ 0.4	+ 0.1	+ 0.22	- 0.14	- 0.05	+ 0.04	Urs. Maj. and A Urs. Min.
18	0.0	+ 0.1	+ 0.26	- 0.10	0.00	+ 0.04	
20	+ 0.6	+ 0.1	+ 0.30	- 0.13	- 0.01	+ 0.04	
21	+ 0.2	+ 0.1	+ 0.33	- 0.04	0.00	+ 0.04	70 and 150 R. P. L.
22	+ 0.4	+ 0.1	+ 0.22	- 0.12	- 0.01	+ 0.04	
23	+ 0.1	+ 0.1	+ 0.23	- 0.09	+ 0.03	+ 0.04	
24	- 0.1	+ 0.1	+ 0.40	- 0.12	- 0.01	+ 0.03	
25	+ 0.7	+ 0.1	+ 0.38	- 0.16	- 0.02	+ 0.02	
27	+ 0.6	+ 0.1	+ 0.30	- 0.13	- 0.02	- 0.01	
28	+ 0.4	+ 0.1	+ 0.28	- 0.13	0.00	- 0.02	
29	+ 0.5	+ 0.1	+ 0.30	- 0.10	+ 0.02	- 0.03	
30	+ 0.4	+ 0.1	+ 0.28	- 0.11	+ 0.01	- 0.05	
31	+ 0.6	+ 0.1	+ 0.40	- 0.05	+ 0.05	- 0.06	
Apl. 1	+ 0.7	- 0.2	+ 0.50	- 0.12	- 0.05	- 0.07	70 R. P. L. and 8 Crateris.
3	+ 1.0	- 0.2	+ 0.28	- 0.13	- 0.06	- 0.03	
4	+ 1.0	- 0.2	+ 0.30	- 0.09	- 0.01	- 0.01	
5	+ 1.1	- 0.2	+ 0.23	- 0.01	+ 0.04	0.00	70 R. P. L. and Polaris.
6	+ 1.3	- 0.2	+ 0.26	+ 0.05	+ 0.09	+ 0.02	
7	+ 1.8	- 0.2	+ 0.40	- 0.01	+ 0.03	+ 0.04	
8	+ 1.7	- 0.2	+ 0.37	- 0.01	+ 0.03	+ 0.06	
10	+ 1.5	- 0.2	+ 0.28	+ 0.04	+ 0.05	+ 0.06	
11	+ 1.4	- 0.2	+ 0.37	0.00	+ 0.03	+ 0.06	12 Can. Ven. and Polaris.
12	+ 1.3	- 0.2	+ 0.42	- 0.06	- 0.03	+ 0.05	
19	+ 1.7	0.0	+ 0.25	+ 0.01	+ 0.02	+ 0.04	
20	+ 1.6	0.0	+ 0.21	- 0.03	- 0.01	+ 0.04	
21	+ 2.5	0.0	+ 0.23	- 0.02	0.00	+ 0.04	
22	+ 2.2	0.0	+ 0.31	- 0.03	- 0.03	+ 0.04	99 R. P. L. and Polaris.
24	+ 2.0	0.0	+ 0.19	- 0.01	+ 0.03	+ 0.04	
25	+ 2.0	0.0	+ 0.24	+ 0.10	+ 0.05	+ 0.04	
26	+ 1.8	0.0	+ 0.28	+ 0.01	+ 0.04	+ 0.04	
27	+ 1.9	0.0	+ 0.21	+ 0.05	+ 0.05	+ 0.03	
28	+ 1.9	0.0	+ 0.36	+ 0.02	+ 0.04	+ 0.03	99 R. P. L. and Polaris.
29	+ 2.4	0.0	+ 0.44	+ 0.02	+ 0.02	+ 0.02	
May 1	+ 3.2	- 0.3	+ 0.35	+ 0.04	+ 0.04	+ 0.01	99 R. P. L. and e Corvi.
2	+ 2.9	- 0.3	+ 0.29	+ 0.02	0.00	0.00	
3	+ 1.5	- 0.3	+ 0.29	+ 0.06	+ 0.02	+ 0.01	
4	+ 1.9	- 0.3	+ 0.25	+ 0.06	+ 0.01	+ 0.01	
5	+ 2.5	- 0.3	+ 0.17	+ 0.12	+ 0.04	+ 0.02	
8	+ 2.2	- 0.3	+ 0.29	+ 0.07	+ 0.02	+ 0.04	92 R. P. L. and Polaris.
9	+ 2.1	- 0.3	+ 0.34	+ 0.05	- 0.02	+ 0.06	
10	+ 2.5	- 0.3	+ 0.33	+ 0.07	+ 0.02	+ 0.08	8 Leonis and Polaris.
11	+ 2.1	- 0.3	+ 0.30	+ 0.13	+ 0.03	+ 0.07	
12	+ 1.7	- 0.3	+ 0.36	+ 0.11	0.00	+ 0.07	92, 99 R. P. L. and Polaris.
13	+ 1.5	- 0.3	+ 0.38	+ 0.10	- 0.02	+ 0.06	
15	+ 1.8	- 0.3	+ 0.27	+ 0.17	0.00	+ 0.05	
16	+ 2.1	+ 0.1	+ 0.41	+ 0.12	+ 0.04	+ 0.05	
17	+ 2.3	- 0.3	+ 0.50	+ 0.10	+ 0.03	+ 0.05	
18	+ 2.0	+ 0.1	+ 0.40	+ 0.06	- 0.02	+ 0.05	92 R. P. L. and Polaris.
20	+ 2.3	+ 0.1	+ 0.42	+ 0.01	- 0.02	+ 0.04	
22	+ 2.1	+ 0.1	+ 0.43	+ 0.05	+ 0.01	+ 0.04	
23	+ 2.2	+ 0.1	+ 0.46	+ 0.02	- 0.02	+ 0.01	
25	+ 2.7	+ 0.1	+ 0.48	- 0.04	- 0.04	- 0.03	
26	+ 2.0	+ 0.1	+ 0.39	- 0.01	- 0.03	- 0.03	99 R. P. L. and Polaris.
27	+ 2.1	+ 0.1	+ 0.35	0.00	- 0.01	- 0.05	
29	+ 2.6	+ 0.1	+ 0.43	+ 0.04	+ 0.02	- 0.02	
30	+ 2.4	+ 0.1	+ 0.42	+ 0.02	+ 0.01	- 0.01	
31	+ 2.4	+ 0.1	+ 0.41	+ 0.01	- 0.01	0.00	

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars
June	1	+ 2.3	- 0.2	+ 0.40	+ 0.02	+ 0.03	+ 0.01
	3	+ 1.9	- 0.2	+ 0.44	+ 0.02	- 0.03	+ 0.04
	5	+ 2.5	- 0.2	+ 0.40	+ 0.14	+ 0.04	+ 0.05
	6	+ 2.5	- 0.2	+ 0.44	+ 0.13	+ 0.02	+ 0.05
	7	+ 1.8	- 0.2	+ 0.51	+ 0.13	0.00	+ 0.06
	8	+ 2.4	- 0.2	+ 0.51	+ 0.10	- 0.01	+ 0.06
	12	+ 1.8	- 0.2	+ 0.47	+ 0.12	- 0.01	+ 0.08
	14	+ 1.8	- 0.2	+ 0.47	+ 0.10	- 0.01	+ 0.09
	19	+ 2.4	+ 0.2	+ 0.53	+ 0.16	+ 0.04	+ 0.11
	20	+ 2.2	+ 0.2	+ 0.64	+ 0.09	0.00	+ 0.11
	23	+ 2.4	+ 0.2	+ 0.59	+ 0.13	+ 0.03	+ 0.10
	24	+ 2.5	+ 0.2	+ 0.60	+ 0.15	+ 0.06	+ 0.09
	29	+ 3.0	+ 0.2	+ 0.73	+ 0.12	+ 0.06	+ 0.07
July	1	+ 2.4	- 0.3	+ 0.64	+ 0.11	- 0.02	+ 0.07
	3	+ 2.2	- 0.3	+ 0.55	+ 0.15	+ 0.04	+ 0.06
	7	+ 2.4	- 0.3	+ 0.59	+ 0.14	+ 0.05	+ 0.05
	12	+ 2.7	- 0.3	+ 0.57	+ 0.14	+ 0.07	+ 0.03
	14	+ 3.4	- 0.3	+ 0.77	+ 0.04	+ 0.02	+ 0.02
	15	+ 3.2	- 0.3	+ 0.81	+ 0.02	+ 0.01	- 0.01
	18	+ 3.0	- 0.3	+ 0.68	+ 0.09	- 0.01	0.00
	21	+ 3.0	- 0.3	+ 0.43	0.00	- 0.03	+ 0.02
	22	+ 3.9	- 0.3	+ 0.51	+ 0.11	+ 0.03	+ 0.02
	24	+ 2.7	- 0.3	+ 0.74	+ 0.08	+ 0.03	+ 0.01
	26	+ 3.1	- 0.3	+ 0.76	+ 0.10	+ 0.03	+ 0.01
	27	+ 3.1	- 0.3	+ 0.73	+ 0.07	+ 0.04	0.00
	28	+ 2.6	- 0.3	+ 0.74	+ 0.08	+ 0.06	0.00
	29	+ 3.3	- 0.3	+ 0.78	+ 0.06	+ 0.04	0.00
	31	+ 4.3	- 0.3	+ 0.71	0.00	0.00	- 0.01
Aug.	2	+ 3.8	+ 0.2	+ 0.66	+ 0.04	+ 0.03	- 0.02
	3	+ 3.6	+ 0.2	+ 0.71	+ 0.04	+ 0.04	- 0.02
	5	+ 3.6	+ 0.2	+ 0.75	+ 0.12	+ 0.06	- 0.03
	8	+ 4.9	+ 0.2	+ 0.68	+ 0.01	+ 0.01	- 0.04
	11	+ 4.9	+ 0.2	+ 0.72	+ 0.07	+ 0.05	+ 0.01
	17	+ 5.2	+ 0.2	+ 0.71	+ 0.09	+ 0.02	- 0.03
	18	+ 5.2	+ 0.2	+ 0.73	- 0.08	- 0.01	- 0.04
	23	+ 5.3	+ 0.2	+ 0.70	- 0.02	+ 0.05	- 0.06
	24	+ 4.9	+ 0.2	+ 0.80	+ 0.03	+ 0.04	- 0.06
	25	+ 5.6	+ 0.2	+ 1.02	- 0.07	+ 0.02	- 0.06
	26	+ 5.9	+ 0.2	+ 1.02	- 0.11	+ 0.02	- 0.07
	28	+ 6.0	+ 0.2	+ 0.77	- 0.09	- 0.01	- 0.08
Sep.	1	+ 6.0	+ 0.2	+ 1.02	- 0.14	+ 0.02	- 0.09
	2	+ 5.3	+ 0.2	+ 1.01	- 0.12	+ 0.04	- 0.08
	5	+ 6.8	- 0.2	+ 0.81	- 0.13	+ 0.02	- 0.08
	6	+ 6.4	- 0.2	+ 0.98	- 0.13	+ 0.04	- 0.08
	7	+ 6.5	- 0.1	+ 0.85	- 0.16	+ 0.04	- 0.08
	8	+ 6.4	- 0.2	+ 0.60	- 0.15	+ 0.03	- 0.08
	11	+ 6.1	- 0.2	+ 0.87	- 0.13	+ 0.02	- 0.08
	12	+ 6.1	- 0.2	+ 0.94	- 0.13	+ 0.04	- 0.08
	13	+ 6.1	- 0.2	+ 0.94	- 0.13	+ 0.02	- 0.08
	14	+ 5.7	- 0.2	- 0.30	- 0.11	+ 0.03	- 0.09
	15	+ 5.6	- 0.2	- 0.30	- 0.16	+ 0.04	- 0.10
	16	+ 5.6	0.0	- 0.35	- 0.16	+ 0.03	- 0.10
	21	+ 3.9	0.0	- 0.69	- 0.15	+ 0.03	- 0.14
	22	+ 5.6	0.0	- 0.68	- 0.19	+ 0.01	- 0.15
	23	+ 5.0	0.0	- 0.73	- 0.16	+ 0.04	- 0.14
	25	+ 5.3	0.0	- 0.67	- 0.15	+ 0.04	- 0.12

July 7.—The instrumental corrections interpolated.

Sep. 13.—The transit-clock put forward one minute and its rate adjusted.

Instrumental Corrections adopted in 1865.

Date	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Sep. 26	+ 5.1	0.0	- 0.69	- 0.12	+ 0.05	- 0.11	
28	+ 4.6	0.0	- 0.70	- 0.16	+ 0.05	- 0.10	
29	+ 4.4	0.0	- 0.79	- 0.16	+ 0.07	- 0.09	
30	+ 4.7	0.0	- 0.86	- 0.10	+ 0.07	- 0.08	λ Urs. Min. and α Crui.
Oct. 2	+ 5.1	- 0.2	- 0.80	- 0.11	+ 0.08	- 0.02	
3	+ 4.1	- 0.2	- 0.85	- 0.12	+ 0.05	+ 0.01	3 Cygni and 70 R. P. L.
4	+ 3.6	- 0.2	- 0.77	- 0.08	+ 0.07	- 0.01	
5	+ 4.3	- 0.2	- 0.76	- 0.17	+ 0.04	- 0.03	
6	+ 4.0	- 0.2	- 0.76	- 0.12	+ 0.05	- 0.06	
7	+ 4.4	- 0.2	- 0.67	- 0.12	+ 0.05	- 0.08	Polaris and 116 R. P. L.
9	+ 4.1	- 0.2	- 0.81	- 0.11	+ 0.04	- 0.06	
10	+ 3.5	- 0.2	- 0.86	- 0.06	+ 0.07	- 0.05	
11	+ 3.3	- 0.2	- 0.80	- 0.07	+ 0.07	- 0.04	
12	+ 3.8	- 0.2	- 0.80	- 0.10	+ 0.02	- 0.03	
13	+ 2.7	- 0.2	- 0.86	- 0.14	+ 0.05	- 0.02	
14	+ 3.3	- 0.2	- 0.91	- 0.10	+ 0.04	- 0.01	150 and 89 R. P. L.
16	+ 2.8	+ 0.1	- 0.92	- 0.10	+ 0.08	- 0.01	
17	+ 3.2	+ 0.1	- 0.89	- 0.13	+ 0.09	- 0.01	
18	+ 3.1	+ 0.1	- 0.87	- 0.11	+ 0.09	- 0.01	
23	+ 4.0	+ 0.1	- 0.80	- 0.13	+ 0.07	0.00	12 R. P. L., Pol. & Fomalhaut
24	+ 4.2	+ 0.1	- 0.78	- 0.12	+ 0.09	- 0.01	
25	+ 3.0	+ 0.1	- 0.79	- 0.14	+ 0.08	- 0.02	
26	+ 3.7	+ 0.1	- 0.78	- 0.14	+ 0.06	- 0.03	
27	+ 3.4	+ 0.1	- 0.78	- 0.15	+ 0.07	- 0.04	
28	+ 3.4	+ 0.1	- 0.82	- 0.15	+ 0.07	- 0.05	
31	+ 5.8	+ 0.1	- 0.94	- 0.24	+ 0.04	- 0.08	Polaris and Achernar.
Nov. 1	+ 5.8	0.0	- 0.84	- 0.25	+ 0.03	- 0.08	
3	+ 6.5	0.0	- 0.75	- 0.28	+ 0.05	- 0.09	Polaris and Achernar.
4	+ 6.6	0.0	- 0.75	- 0.31	+ 0.02	- 0.07	
8	+ 6.4	0.0	- 0.87	- 0.32	+ 0.06	- 0.03	12 R. P. L. and 12 Ceti.
10	+ 7.3	0.0	- 0.96	- 0.45	0.00	- 0.04	
11	+ 7.0	0.0	- 0.97	- 0.41	+ 0.03	- 0.06	
13	+ 6.6	0.0	- 0.89	- 0.45	+ 0.02	- 0.06	
14	+ 6.6	0.0	- 0.90	- 0.49	+ 0.01	- 0.07	Polaris and 114 R. P. L.
15	+ 4.8	0.0	- 0.90	- 0.44	+ 0.03	- 0.09	
16	+ 5.9	- 0.1	+ 0.22	- 0.42	+ 0.06	- 0.10	
17	+ 6.4	- 0.1	+ 0.22	- 0.41	+ 0.04	- 0.12	Polaris and β Ceti.
18	+ 4.2	- 0.1	+ 0.26	- 0.36	+ 0.06	- 0.12	
21	+ 6.9	- 0.1	+ 0.37	- 0.35	+ 0.03	- 0.12	
22	+ 6.4	- 0.1	+ 0.38	- 0.44	+ 0.01	- 0.12	Polaris and Achernar.
27	+ 9.2	- 0.1	+ 0.06	- 0.58	- 0.03	- 0.06	Polaris and 103 R. P. L.
28	+ 9.2	- 0.1	+ 0.25	- 0.47	+ 0.11	- 0.06	
29	+ 9.4	- 0.1	+ 0.44	- 0.53	+ 0.03	- 0.06	
30	+ 8.6	0.0	+ 0.36	- 0.10	0.00	- 0.06	Polaris and Achernar.
Dec. 1	+ 8.6	0.0	+ 0.22	- 0.09	0.00	- 0.05	
2	+ 9.6	0.0	+ 0.15	- 0.01	+ 0.03	- 0.08	
5	+ 7.3	0.0	+ 0.21	- 0.02	- 0.01	+ 0.01	Polaris and β Ceti.
7	+ 7.0	0.0	+ 0.17	- 0.02	- 0.01	+ 0.04	
8	+ 8.4	0.0	+ 0.18	- 0.06	- 0.01	+ 0.06	
9	+ 8.7	0.0	+ 0.22	+ 0.02	- 0.02	+ 0.08	33 R. P. L. and ϵ^1 Eridani.
11	+ 8.3	0.0	+ 0.21	- 0.03	+ 0.03	+ 0.09	Polaris, 33 and 108 R. P. L.
12	+ 7.1	0.0	+ 0.21	- 0.01	0.00	+ 0.09	
13	+ 7.1	0.0	+ 0.25	+ 0.02	+ 0.04	+ 0.10	
14	+ 6.4	0.0	+ 0.22	+ 0.01	+ 0.03	+ 0.10	
15	+ 6.7	+ 0.2	+ 0.20	- 0.04	+ 0.02	+ 0.10	
16	+ 7.1	+ 0.2	+ 0.21	- 0.03	+ 0.01	+ 0.10	

Nov. 15.—The transit clock rate adjusted.

Nov. 21.—The instrument thoroughly examined and cleaned.

Nov. 30.—The inclination error adjusted.

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Dec. 15	+ 6.2	+ 0.2	+ 0.21	- 0.03	+ 0.05	+ 0.11	33, 34 and 116 R. P. L.
19	+ 5.4	+ 0.2	+ 0.21	- 0.03	+ 0.05	+ 0.11	
20	+ 6.2	+ 0.2	+ 0.27	- 0.01	+ 0.07	+ 0.12	
21	+ 5.9	+ 0.2	+ 0.33	- 0.07	+ 0.02	+ 0.12	
22	+ 6.8	+ 0.2	+ 0.32	- 0.04	+ 0.03	+ 0.12	
25	+ 5.2	+ 0.2	+ 0.27	- 0.02	+ 0.04	+ 0.12	
28	+ 4.6	+ 0.2	+ 0.28	+ 0.04	+ 0.02	+ 0.12	
30	+ 3.7	0.0	+ 0.31	- 0.01	+ 0.01	+ 0.13	

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Jan. 3	+ 3.3	- 0.1	+ 0.37	+ 0.02	+ 0.02	+ 0.08	51 Cephei and 4 Urs. Min.
4	+ 3.0	- 0.1	+ 0.35	- 0.01	- 0.01	+ 0.07	
5	+ 2.5	- 0.1	+ 0.29	+ 0.01	0.00	+ 0.07	
6	+ 2.5	- 0.1	+ 0.25	+ 0.04	+ 0.03	+ 0.08	
8	+ 2.4	- 0.1	+ 0.23	+ 0.05	+ 0.02	+ 0.10	
10	+ 1.8	- 0.1	+ 0.19	+ 0.06	+ 0.04	+ 0.12	
11	+ 1.0	- 0.1	+ 0.17	+ 0.05	+ 0.03	+ 0.14	
12	+ 0.8	- 0.1	+ 0.18	+ 0.01	0.00	+ 0.15	
13	+ 1.9	- 0.1	+ 0.23	- 0.01	+ 0.03	+ 0.16	51 Cephei and 4 Urs. Min.
15	+ 0.9	- 0.1	+ 0.12	+ 0.07	+ 0.04	+ 0.18	
16	+ 2.0	- 0.1	+ 0.24	+ 0.07	+ 0.06	+ 0.17	
17	+ 1.6	- 0.1	+ 0.30	+ 0.02	+ 0.06	+ 0.16	
18	+ 1.0	- 0.1	+ 0.24	+ 0.05	+ 0.06	+ 0.15	
19	+ 0.5	- 0.1	+ 0.37	+ 0.04	+ 0.05	+ 0.14	
20	+ 1.0	- 0.1	+ 0.39	+ 0.08	+ 0.04	+ 0.13	
22	+ 0.6	- 0.1	+ 0.34	+ 0.06	+ 0.06	+ 0.11	
23	+ 1.1	- 0.1	+ 0.35	+ 0.03	+ 0.04	+ 0.11	45 R. P. L. and 4 Urs. Min.
24	+ 0.9	- 0.1	+ 0.37	+ 0.07	+ 0.06	+ 0.12	
25	+ 0.7	- 0.1	+ 0.40	+ 0.02	+ 0.03	+ 0.12	
26	+ 0.3	- 0.1	+ 0.35	+ 0.03	+ 0.04	+ 0.12	
27	+ 0.8	- 0.1	+ 0.31	+ 0.03	+ 0.01	+ 0.11	
29	+ 0.8	- 0.1	+ 0.32	+ 0.04	+ 0.07	+ 0.11	
30	+ 1.2	- 0.1	+ 0.32	+ 0.08	+ 0.03	+ 0.10	
31	+ 0.9	- 0.1	+ 0.28	+ 0.06	+ 0.04	+ 0.10	
Feb. 1	{ + 0.3 + 1.4 + 1.2 }	- 0.1	+ 0.25	{ + 0.10 + 0.13 + 0.17 }	{ + 0.06 + 0.05 + 0.02 }	+ 0.10	43 R. P. L. and 4 Urs. Min.
2	+ 1.8	- 0.1	+ 0.38	+ 0.16	+ 0.02	+ 0.09	
3	+ 0.3	- 0.1	+ 0.41	+ 0.16	+ 0.02	+ 0.09	
5	+ 0.0	- 0.1	+ 0.16	+ 0.15	+ 0.02	+ 0.08	
6	+ 1.0	- 0.1	+ 0.29	+ 0.20	+ 0.01	+ 0.07	
7	+ 0.6	- 0.1	+ 0.32	+ 0.13	- 0.02	+ 0.07	
8	+ 0.6	- 0.1	+ 0.22	+ 0.22	+ 0.04	+ 0.06	
9	- 2.3	- 0.1	+ 0.30	+ 0.18	+ 0.02	+ 0.09	
10	- 1.5	- 0.1	+ 0.27	+ 0.21	+ 0.02	+ 0.06	51 Cephei and 4 Urs. Min.
12	- 4.3	- 0.1	+ 0.25	+ 0.23	+ 0.01	+ 0.07	

Feb. 1 - The index inclination and collimation corrections by three observers; R, P and M.

Feb. 8 - The collimator rooms under repair and being painted inside.

Feb. 9 - The microscopes cleaned and the index error adjusted.

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Feb. 13	- 1.5	- 0.1	+ 0.27	+ 0.22	+ 0.03	+ 0.07	
14	- 1.1	- 0.1	+ 0.30	+ 0.27	+ 0.02	+ 0.08	
15	- 1.7	- 0.1	+ 0.27	+ 0.29	+ 0.06	+ 0.09	
16	- 2.0	- 0.1	+ 0.28	+ 0.24	+ 0.05	+ 0.10	
17	- 1.8	- 0.1	+ 0.26	+ 0.22	+ 0.04	+ 0.11	
19	- 1.9	- 0.1	+ 0.24	+ 0.21	+ 0.06	+ 0.12	
20	- 3.5	- 0.1	+ 0.25	+ 0.17	+ 0.05	+ 0.13	45 R. P. L. and λ Urs. Min.
21	- 2.6	- 0.1	+ 0.24	+ 0.16	+ 0.04	+ 0.13	
22	- 2.3	- 0.1	+ 0.35	+ 0.16	+ 0.03	+ 0.13	
23	- 1.6	- 0.1	+ 0.34	+ 0.18	+ 0.01	+ 0.14	
24	- 3.4	- 0.1	+ 0.24	+ 0.17	+ 0.03	+ 0.14	
26	- 3.9	- 0.1	+ 0.25	+ 0.20	+ 0.10	+ 0.14	
27	- 2.6	- 0.1	+ 0.23	+ 0.20	+ 0.09	+ 0.14	
28	- 2.3	- 0.1	+ 0.34	+ 0.10	+ 0.10	+ 0.15	
Mar. 1	- 1.0	- 0.1	+ 0.32	+ 0.18	+ 0.06	+ 0.15	45 R. P. L. and λ Urs. Min.
2	- 2.0	- 0.1	+ 0.30	+ 0.16	+ 0.05	+ 0.14	
3	- 1.8	- 0.1	+ 0.38	+ 0.19	+ 0.07	+ 0.12	
5	- 3.5	- 0.1	+ 0.40	+ 0.19	+ 0.06	+ 0.09	
6	- 1.5	- 0.1	+ 0.39	+ 0.19	+ 0.06	+ 0.08	
7	- 2.7	- 0.1	+ 0.42	+ 0.27	+ 0.11	+ 0.06	
8	- 2.0	- 0.1	+ 0.36	+ 0.22	+ 0.04	+ 0.05	60 R. P. L. and λ Urs. Min.
9	- 2.8	- 0.1	+ 0.29	+ 0.20	+ 0.07	+ 0.05	
10	- 1.6	- 0.1	+ 0.32	+ 0.24	+ 0.04	+ 0.04	
12	- 1.6	- 0.1	+ 0.44	+ 0.31	+ 0.07	+ 0.04	
13	- 2.6	- 0.1	+ 0.43	+ 0.25	+ 0.07	+ 0.04	
14	- 0.9	- 0.1	+ 0.25	+ 0.19	0.00	+ 0.03	
15	- 0.9	- 0.1	+ 0.26	+ 0.25	+ 0.08	+ 0.03	72 R. P. L. and γ Argus.
16	- 0.3	+ 0.1	+ 0.33	+ 0.26	+ 0.04	+ 0.02	
17	0.0	+ 0.1	+ 0.23	+ 0.31	+ 0.03	+ 0.01	
18	+ 0.3	+ 0.1	+ 0.35	+ 0.32	+ 0.07	0.00	
20	+ 0.1	+ 0.1	+ 0.32	+ 0.31	+ 0.07	- 0.01	
21	+ 0.2	+ 0.1	+ 0.33	+ 0.26	+ 0.05	- 0.02	
22	0.0	+ 0.1	+ 0.35	+ 0.33	+ 0.06	- 0.03	72 R. P. L. and η Argus.
23	- 0.4	+ 0.1	+ 0.33	+ 0.34	+ 0.07	- 0.03	
24	+ 0.4	+ 0.1	+ 0.30	+ 0.29	+ 0.06	- 0.04	
26	+ 0.3	+ 0.1	+ 0.20	+ 0.36	+ 0.05	- 0.04	
27	+ 0.4	+ 0.1	+ 0.25	+ 0.37	+ 0.07	- 0.05	
28	+ 0.5	+ 0.1	+ 0.30	+ 0.38	+ 0.05	- 0.05	70, 72 R. P. L. and α Crucis.
30	+ 0.4	+ 0.1	+ 0.23	+ 0.33	+ 0.06	- 0.04	
31	+ 0.5	+ 0.1	+ 0.23	+ 0.33	+ 0.07	- 0.04	
Apl. 4	- 2.4	- 0.1	+ 0.15	+ 0.42	+ 0.07	- 0.03	
5	- 0.4	- 0.1	+ 0.14	+ 0.44	+ 0.08	- 0.03	99 and 159 R. P. L.
6	+ 0.2	- 0.1	+ 0.19	+ 0.42	+ 0.04	- 0.03	
7	+ 0.5	- 0.1	+ 0.22	+ 0.39	+ 0.06	- 0.03	
9	+ 1.0	- 0.1	+ 0.33	+ 0.46	+ 0.04	- 0.02	
10	- 1.6	- 0.1	+ 0.31	+ 0.41	+ 0.02	- 0.02	
11	- 1.8	- 0.1	+ 0.10	+ 0.39	+ 0.02	- 0.02	
12	- 2.5	- 0.1	+ 0.21	+ 0.39	+ 0.04	- 0.01	
13	+ 0.6	- 0.1	+ 0.23	+ 0.42	+ 0.02	- 0.01	
14	- 1.6	- 0.1	+ 0.17	+ 0.46	+ 0.06	- 0.01	99 R. P. L. and Polaris.
16	+ 1.9	0.0	+ 0.15	+ 0.51	+ 0.05	- 0.13	
17	+ 2.1	0.0	+ 0.22	+ 0.52	+ 0.07	- 0.20	
18	+ 2.2	0.0	+ 0.25	+ 0.48	+ 0.02	- 0.26	
19	+ 2.0	0.0	+ 0.29	+ 0.46	+ 0.01	- 0.32	103 and 14 R. P. L.
20	- 2.9	0.0	+ 0.10	+ 0.35	+ 0.02	- 0.40	103 and 14 R. P. L.
21	+ 2.3	0.0	+ 0.03	+ 0.53	+ 0.05	- 0.23	
23	+ 1.2	- 0.1	- 0.03	+ 0.57	+ 0.07	- 0.05	89 R. P. L. and Polaris.

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 6'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
Apl. 24	- 2.3	- 0.1	+ 0.09	+ 0.31	+ 0.07	- 0.07	
25	- 4.0	0.0	+ 0.09	+ 0.40	+ 0.08	- 0.10	92, 103 R. P. L. & Polaris.
26	- 3.8	0.0	- 0.10	+ 0.42	+ 0.10	- 0.06	3 Virginis and Polaris.
27	+ 2.0	0.0	- 0.12	+ 0.48	+ 0.03	- 0.11	Arcturus and Polaris.
28	+ 2.5	0.0	- 0.08	+ 0.39	+ 0.09	- 0.04	12 Can. Ven. and Polaris.
30	+ 2.2	0.0	+ 0.16	+ 0.37	+ 0.07	- 0.20	
May 1	+ 2.7	0.0	+ 0.18	+ 0.34	+ 0.05	- 0.27	111 and 34 R. P. L.
2	+ 2.7	0.0	+ 0.23	+ 0.36	+ 0.08	- 0.18	116 and 34 R. P. L.
3	- 1.9	0.0	+ 0.23	+ 0.42	+ 0.02	- 0.14	89 and 12 R. P. L.
4	- 0.4	0.0	+ 0.12	+ 0.35	+ 0.06	- 0.13	89 and 12 R. P. L.
5	+ 2.3	0.0	+ 0.21	+ 0.60	+ 0.10	- 0.08	12 Can. Ven. and Polaris.
7	- 4.1	0.0	+ 0.09	+ 0.35	+ 0.09	- 0.03	
8	+ 3.4	0.0	+ 0.13	+ 0.70	+ 0.12	0.00	99 R. P. L. and Polaris.
9	- 2.2	0.0	+ 0.36	+ 0.65	+ 0.10	- 0.01	
10	+ 1.4	0.0	+ 0.26	+ 0.59	+ 0.07	- 0.03	99 R. P. L. and Polaris.
11	+ 3.2	0.0	+ 0.27	+ 0.69	+ 0.10	+ 0.01	
12	+ 3.4	0.0	+ 0.39	+ 0.65	+ 0.11	+ 0.05	89 R. P. L. and Polaris.
14	+ 3.8	0.0	+ 0.40	+ 0.66	+ 0.11	+ 0.01	
15	+ 3.2	0.0	+ 0.31	+ 0.64	+ 0.07	- 0.01	ρ Bootis and Polaris.
16	+ 2.4	+ 0.1	+ 0.28	+ 0.31	+ 0.13	- 0.04	ϵ Bootis and Polaris.
17	+ 2.0	+ 0.1	+ 0.45	+ 0.33	+ 0.13	0.00	
18	+ 2.5	+ 0.1	+ 0.44	+ 0.31	+ 0.12	+ 0.04	99 R. P. L. and Polaris.
19	+ 2.3	+ 0.1	+ 0.33	+ 0.29	+ 0.13	+ 0.03	
21	+ 3.2	+ 0.1	+ 0.45	+ 0.31	+ 0.13	+ 0.02	3 Urs. Min. and Polaris.
22	+ 3.8	+ 0.1	+ 0.49	+ 0.31	+ 0.13	+ 0.02	
23	+ 3.6	+ 0.1	+ 0.43	+ 0.33	+ 0.12	+ 0.03	111 R. P. L. and Polaris.
25	+ 4.0	+ 0.1	+ 0.70	+ 0.38	+ 0.16	+ 0.07	12 Can. Ven. and Polaris.
26	- 3.3	+ 0.1	+ 0.69	+ 0.19	+ 0.10	+ 0.04	116 and 35 R. P. L.
28	+ 2.9	+ 0.1	+ 0.57	+ 0.37	+ 0.13	- 0.02	
29	+ 1.5	+ 0.1	+ 0.44	+ 0.27	+ 0.13	- 0.14	γ Urs. Maj. and Polaris.
30	+ 2.6	+ 0.1	+ 0.31	+ 0.45	+ 0.14	- 0.11	
31	+ 3.4	+ 0.1	+ 0.42	+ 0.42	+ 0.13	- 0.08	
June 1	- 1.3	+ 0.2	+ 0.43	+ 0.42	+ 0.10	- 0.05	
4	+ 2.3	+ 0.2	+ 0.37	+ 0.50	+ 0.13	+ 0.03	γ Urs. Maj. and Polaris.
5	+ 2.7	+ 0.2	+ 0.49	+ 0.51	+ 0.12	+ 0.05	3 Hercules and Polaris.
6	- 4.4	+ 0.2	+ 0.50	+ 0.40	+ 0.17	+ 0.07	
7	+ 3.1	+ 0.2	+ 0.32	+ 0.49	+ 0.13	+ 0.09	ϵ Bootis and Polaris.
8	- 0.8	+ 0.2	+ 0.55	+ 0.54	+ 0.19	- 0.10	
9	+ 2.1	+ 0.2	+ 0.71	+ 0.48	+ 0.11	+ 0.10	8 Urs. Min. and Polaris.
13	+ 2.0	+ 0.2	+ 0.44	+ 0.56	+ 0.14	+ 0.08	
16	+ 1.8	+ 0.2	+ 0.48	+ 0.60	+ 0.13	+ 0.06	
19	+ 0.4	+ 0.2	+ 0.50	+ 0.55	+ 0.12	+ 0.04	
22	+ 0.6	+ 0.2	+ 0.54	+ 0.59	+ 0.13	+ 0.02	
25	+ 0.3	+ 0.3	+ 0.55	+ 0.63	+ 0.14	0.00	116 and 40 R. P. L.
26	+ 0.2	+ 0.3	+ 0.55	+ 0.64	+ 0.12	+ 0.01	
27	+ 0.2	+ 0.3	+ 0.63	+ 0.64	+ 0.11	+ 0.02	
29	- 7.0	+ 0.3	+ 0.39	+ 0.52	+ 0.12	+ 0.04	
30	+ 0.9	+ 0.3	+ 0.55	+ 0.67	+ 0.12	+ 0.05	8 Urs. Min. and 51 Cephei.
July 2	+ 0.3	0.0	+ 0.71	+ 0.67	+ 0.12	+ 0.05	
5	- 0.4	0.0	+ 0.73	+ 0.29	+ 0.14	+ 0.26	8 Urs. Min. and 51 Cephei.
6	+ 6.2	0.0	+ 0.75	+ 0.30	+ 0.14	+ 0.27	
7	+ 5.1	0.0	+ 0.78	+ 0.28	+ 0.10	+ 0.28	8 Urs. Min. and 51 Cephei.
13	+ 3.0	0.0	+ 0.73	+ 0.13	- 0.02	+ 0.22	3 Hercules and 51 Cephei.
16	+ 4.0	0.0	+ 0.74	+ 0.19	+ 0.02	+ 0.21	
17	+ 3.2	0.0	+ 0.77	+ 0.13	+ 0.03	+ 0.21	

May 16.—The inclination error adjusted.

June 1.—The micrometer cleaned.

June 19.—The index error adjusted.

July 3.—The inclination error adjusted and the pivots cleaned.

July 5.—The circle clamps repaired and the index error adjusted.

July 12.—The object glass found to be unscrewed about one-sixth of a revolution. This at once explained the unsteadiness of the index and level corrections since last March. It was screwed home and the index error again adjusted.

Instrumental Corrections adopted in 1866.

Date.	Index	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars
	"	"	s	s	s	s	
July 19	+ 4.2	0.0	+ 0.81	+ 0.12	+ 0.01	+ 0.21	3 Urs. Min. and θ Ophiuchi.
20	+ 4.7	0.0	+ 0.79	+ 0.17	+ 0.01	+ 0.21	
23	+ 3.7	0.0	+ 0.83	+ 0.18	- 0.03	+ 0.19	
24	- 3.9	0.0	+ 0.84	+ 0.18	- 0.01	+ 0.19	
Aug. 3	+ 4.4	0.0	+ 0.78	+ 0.18	+ 0.01	+ 0.14	3 Aquilæ and δ 1 Cephei.
7	+ 4.9	0.0	+ 0.85	+ 0.20	0.00	+ 0.13	
9	+ 5.1	0.0	+ 0.94	+ 0.21	+ 0.02	+ 0.13	3 Urs. Min. and δ 1 Cephei.
10	+ 4.3	0.0	+ 0.97	+ 0.24	- 0.02	+ 0.14	
11	+ 5.2	0.0	- 0.40	+ 0.24	0.00	+ 0.14	
16	+ 4.3	0.0	- 0.40	+ 0.28	- 0.04	+ 0.16	3 Urs. Min. and δ Aquilæ.
17	+ 4.5	0.0	- 0.32	+ 0.33	- 0.04	+ 0.11	3 U. M. and μ Sagittarii.
18	+ 4.5	0.0	- 0.26	+ 0.30	- 0.02	+ 0.11	
20	+ 4.0	0.0	- 0.25	+ 0.35	- 0.02	+ 0.11	
21	+ 4.9	0.0	- 0.26	+ 0.33	+ 0.01	+ 0.11	
22	+ 3.8	0.0	- 0.40	+ 0.32	- 0.01	+ 0.11	3 U. M. and λ Sagittarii.
23	+ 4.7	0.0	- 0.51	+ 0.29	- 0.03	+ 0.12	
25	+ 5.2	0.0	- 0.48	+ 0.26	- 0.03	+ 0.14	
27	+ 5.3	0.0	- 0.37	+ 0.28	- 0.01	+ 0.17	
28	+ 6.2	0.0	- 0.45	+ 0.25	- 0.03	+ 0.18	
29	+ 5.2	0.0	- 0.42	+ 0.31	+ 0.01	+ 0.19	3 Cygni and 70 R. P. L.
30	+ 5.0	0.0	- 0.28	+ 0.29	+ 0.01	+ 0.17	
Sep. 7	+ 6.0	0.0	- 0.44	+ 0.34	0.00	+ 0.02	λ Urs. Min. and β Aquilæ.
8	+ 5.3	0.0	- 0.46	+ 0.44	+ 0.04	+ 0.05	λ U. M. and λ Sagittarii.
10	+ 6.4	0.0	- 0.38	+ 0.53	+ 0.10	+ 0.03	
12	+ 6.8	0.0	- 0.45	+ 0.45	+ 0.01	+ 0.02	143 R. P. L. and δ Aquilæ.
13	+ 6.9	0.0	- 0.47	+ 0.52	+ 0.01	+ 0.06	λ U. M. and ρ Capricorni.
14	+ 6.9	0.0	- 0.28	+ 0.51	+ 0.05	+ 0.10	
15	+ 7.1	0.0	- 0.23	+ 0.45	- 0.03	+ 0.11	
18	+ 7.1	+ 0.1	- 0.37	+ 0.56	+ 0.02	+ 0.12	
19	+ 7.0	+ 0.1	- 0.40	+ 0.53	+ 0.02	+ 0.13	143 and 69 R. P. L.
20	+ 7.6	+ 0.1	- 0.41	+ 0.56	- 0.01	+ 0.12	
22	+ 7.9	+ 0.1	- 0.36	+ 0.50	- 0.01	+ 0.10	
24	+ 7.4	0.0	- 0.21	+ 0.57	+ 0.02	- 0.08	λ Urs. Min. and β Aquarii.
25	+ 7.9	0.0	- 0.36	+ 0.53	- 0.06	+ 0.09	
26	+ 7.8	0.0	- 0.51	+ 0.58	+ 0.01	+ 0.10	
27	+ 8.4	0.0	- 0.43	+ 0.58	0.00	+ 0.10	
28	+ 8.3	0.0	- 0.38	+ 0.60	+ 0.01	+ 0.11	
29	+ 8.5	0.0	- 0.34	+ 0.60	0.00	+ 0.12	
Oct. 1	+ 8.0	0.0	- 0.41	+ 0.59	- 0.02	+ 0.13	
2	+ 8.7	0.0	- 0.41	+ 0.57	- 0.01	+ 0.14	150 R. P. L. and θ Aquarii.
5	+ 8.7	0.0	- 0.35	+ 0.56	- 0.05	+ 0.09	
6	+ 10.1	0.0	- 0.34	+ 0.54	- 0.03	+ 0.07	3 Cygni and 69 R. P. L.
9	+ 1.4	0.0	- 0.40	+ 0.16	+ 0.02	+ 0.01	
10	+ 1.1	0.0	- 0.32	+ 0.15	+ 0.01	- 0.01	
11	+ 2.1	0.0	- 0.25	+ 0.10	0.00	- 0.03	Polaris and 12 Ceti.
12	+ 2.1	0.0	- 0.48	+ 0.14	0.00	- 0.04	
15	+ 2.4	0.0	- 0.60	+ 0.16	+ 0.02	- 0.08	
16	+ 2.6	0.0	- 0.45	+ 0.20	+ 0.07	- 0.09	
17	+ 3.0	0.0	- 0.32	+ 0.07	- 0.02	- 0.11	
22	+ 6.2	0.0	- 0.60	- 0.17	- 0.04	- 0.17	Polaris and Fomalhaut.
24	+ 6.6	0.0	- 0.63	- 0.25	- 0.05	- 0.14	
25	+ 7.0	- 0.1	- 0.66	- 0.28	- 0.04	- 0.13	Polaris and 101 R. P. L.
27	+ 6.0	- 0.1	- 0.66	- 0.19	+ 0.05	- 0.13	
29	+ 6.2	- 0.1	- 0.53	- 0.22	+ 0.03	- 0.14	
30	+ 5.1	- 0.1	- 0.68	- 0.35	- 0.01	- 0.14	
31	+ 5.0	- 0.1	- 0.78	- 0.27	+ 0.05	- 0.14	
Nov. 1	+ 4.6	0.0	- 0.68	- 0.29	+ 0.04	- 0.15	
3	+ 4.2	0.0	- 0.69	- 0.41	- 0.04	- 0.15	Polaris and 101 R. P. L.

Aug. 11.—The transit clock put forward one minute and its rate adjusted.

Oct. 9 —The index and inclination errors adjusted.

Oct. 17 to 22.—Heavy continuous rain: hence the changes in the index and inclination corrections.

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Nov. 5	+ 4.5	0.0	- 0.65	- 0.36	- 0.02	- 0.16	158 R. P. L., Pol. & Achernar
6	+ 4.7	0.0	- 0.62	- 0.38	- 0.04	- 0.16	
7	+ 3.3	0.0	- 0.64	- 0.34	- 0.04	- 0.17	
8	+ 3.2	0.0	- 0.70	- 0.32	- 0.02	- 0.16	
9	+ 3.8	0.0	- 0.60	- 0.28	0.00	- 0.15	
10	+ 2.7	0.0	- 0.52	- 0.31	- 0.02	- 0.14	
12	+ 2.6	0.0	- 0.58	- 0.31	0.00	- 0.13	
13	+ 2.5	0.0	- 0.61	- 0.38	- 0.03	- 0.12	
14	+ 2.2	0.0	- 0.69	- 0.38	- 0.04	- 0.11	
19	+ 4.9	0.0	- 0.74	- 0.62	- 0.02	- 0.11	Polaris and 101 R. P. L.
22	+ 4.9	0.0	- 0.79	- 0.72	- 0.03	- 0.09	Polaris and β Ceti.
26	+ 5.9	0.0	- 0.95	- 0.83	0.00	- 0.07	Polaris and 101 R. P. L.
27	+ 6.7	0.0	- 0.97	- 0.94	+ 0.01	- 0.06	
28	+ 0.5	0.0	- 0.01	+ 0.05	- 0.01	- 0.04	
30	+ 0.4	0.0	+ 0.01	+ 0.01	- 0.03	- 0.01	
Dec. 6	+ 0.1	+ 0.1	+ 0.22	- 0.10	- 0.03	+ 0.07	35 and 108 R. P. L.
7	+ 0.5	+ 0.1	+ 0.30	- 0.16	- 0.06	+ 0.07	
8	- 1.1	+ 0.1	+ 0.20	- 0.18	- 0.03	+ 0.06	
10	- 0.9	+ 0.1	+ 0.00	- 0.20	- 0.01	+ 0.06	
12	+ 0.3	+ 0.1	+ 0.08	- 0.24	- 0.04	+ 0.06	
13	+ 1.0	+ 0.1	+ 0.05	- 0.19	- 0.05	+ 0.06	
17	+ 0.3	+ 0.4	- 0.01	- 0.12	- 0.04	+ 0.04	
18	+ 0.4	+ 0.4	- 0.02	- 0.15	- 0.03	+ 0.04	
19	- 1.6	+ 0.4	- 0.05	- 0.09	- 0.01	+ 0.04	
20	- 2.2	+ 0.4	- 0.05	- 0.05	+ 0.01	+ 0.03	
22	- 1.1	+ 0.4	- 0.02	- 0.08	+ 0.01	+ 0.03	35 and 116 R. P. L.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Jan. 3	- 3.6	- 0.1	- 0.32	- 0.02	+ 0.02	+ 0.07	Auriga and δ Urs. Min.
4	- 4.1	- 0.1	- 0.11	- 0.05	+ 0.01	+ 0.05	
5	- 3.9	- 0.1	+ 0.10	- 0.03	0.00	+ 0.03	Auriga and δ Urs. Min. 51 Cephei and 115 R. P. L.
7	- 3.6	- 0.1	+ 0.03	+ 0.03	- 0.02	+ 0.04	
8	- 3.4	- 0.1	+ 0.10	+ 0.06	0.00	+ 0.03	
9	- 4.0	- 0.1	+ 0.17	0.00	- 0.03	+ 0.02	
10	- 4.7	- 0.1	+ 0.03	+ 0.01	- 0.03	+ 0.01	
11	- 4.6	- 0.1	+ 0.05	+ 0.03	- 0.01	+ 0.01	
12	- 5.2	- 0.1	+ 0.10	+ 0.01	- 0.03	0.00	
14	- 5.4	+ 0.1	- 0.02	+ 0.02	0.00	- 0.02	
15	- 5.2	+ 0.1	+ 0.04	+ 0.04	0.00	- 0.02	
16	- 5.1	+ 0.1	+ 0.01	+ 0.03	+ 0.01	- 0.01	
17	- 6.0	+ 0.1	- 0.02	+ 0.00	+ 0.03	0.00	51 Cephei and δ Urs. Min.
18	- 5.9	+ 0.1	+ 0.15	+ 0.07	+ 0.04	0.00	
19	- 6.4	+ 0.1	+ 0.14	+ 0.02	0.00	+ 0.01	
21	- 6.9	+ 0.1	+ 0.04	+ 0.08	+ 0.02	+ 0.02	
22	- 6.9	+ 0.1	+ 0.11	+ 0.08	+ 0.02	+ 0.03	
23	- 7.4	+ 0.1	+ 0.17	0.00	0.00	+ 0.04	
24	- 7.8	+ 0.1	+ 0.10	+ 0.05	+ 0.02	+ 0.03	
25	- 8.1	+ 0.1	- 0.08	0.00	+ 0.01	+ 0.02	

Nov. 12.—Heavy rain, followed by change in the corrections.

Nov. 28.—The index and inclination corrections and the transit clock rate adjusted.

Dec. 4, 5.—Heavy rain.

Dec. 19.—The collimators and microscopes cleaned.

Jan. 7.—The index error interpolated.

Instrumental Correction adopted in 1867.

Date	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Jan. 29	- 8.7	+ 0.1	- 0.21	+ 0.03	+ 0.04	+ 0.01	
28	- 9.1	+ 0.1	- 0.17	+ 0.10	+ 0.01	- 0.01	
29	- 9.4	+ 0.1	- 0.01	+ 0.10	+ 0.02	- 0.02	
30	- 9.3	+ 0.1	+ 0.08	+ 0.09	+ 0.01	- 0.03	β Tauri and δ Urs. Min.
31	- 9.7	+ 0.1	+ 0.09	+ 0.10	+ 0.02	- 0.01	
Feb. 1	- 10.5	0.0	+ 0.06	+ 0.10	- 0.01	+ 0.01	γ Geminorum & δ Cephei.
2	- 11.3	0.0	+ 0.03	+ 0.10	0.00	0.00	
4	- 10.6	0.0	+ 0.20	+ 0.07	- 0.04	- 0.03	
5	- 9.9	0.0	+ 0.21	+ 0.12	0.00	- 0.05	
6	- 10.4	0.0	+ 0.14	+ 0.13	- 0.03	- 0.06	Pollux and δ Urs. Min.
7	- 10.3	0.0	+ 0.19	+ 0.22	0.00	- 0.05	
8	- 10.4	0.0	+ 0.23	+ 0.25	+ 0.01	- 0.04	
9	- 10.5	0.0	+ 0.14	+ 0.19	- 0.03	- 0.02	
11	- 10.5	0.0	+ 0.15	+ 0.23	+ 0.02	0.00	60 R. P. L. and ϵ Urs. Min.
12	- 10.6	0.0	+ 0.22	+ 0.24	0.00	0.00	
13	- 10.7	0.0	- 0.71	+ 0.19	- 0.04	0.00	
14	- 11.1	0.0	- 1.32	+ 0.26	+ 0.04	0.00	49 R. P. L. & γ Geminorum.
15	- 11.3	0.0	- 0.92	+ 0.23	+ 0.01	- 0.02	49 R. P. L. and δ Urs. Min.
16	- 11.4	0.0	- 0.67	+ 0.21	+ 0.03	- 0.05	
18	- 11.1	0.0	- 0.01	+ 0.16	- 0.03	- 0.11	
19	- 11.3	0.0	- 0.02	+ 0.12	- 0.04	- 0.14	72 R. P. L. and ν Leonis.
20	- 10.9	0.0	- 0.07	+ 0.17	- 0.02	- 0.12	
21	- 11.6	0.0	+ 0.11	+ 0.18	+ 0.01	- 0.09	
22	- 11.0	0.0	+ 0.16	+ 0.15	+ 0.01	- 0.05	51 Cep. 70 R. P. L. & 15 Argus
23	- 11.9	0.0	+ 0.11	+ 0.16	- 0.01	- 0.04	
25	- 12.1	0.0	+ 0.08	+ 0.16	+ 0.02	- 0.01	
26	- 11.5	0.0	+ 0.14	+ 0.23	+ 0.03	0.00	
27	- 11.9	0.0	+ 0.08	+ 0.24	+ 0.03	- 0.01	51 Cep., 70 R. P. L. & λ U. M.
28	- 11.7	0.0	+ 0.15	+ 0.25	+ 0.03	0.00	
Mar. 1	- 11.9	- 0.1	+ 0.24	+ 0.24	+ 0.02	- 0.02	51 Cephei and 150 R. P. L.
2	- 12.4	- 0.1	+ 0.09	+ 0.23	0.00	0.00	
4	- 12.5	- 0.1	+ 0.06	+ 0.24	+ 0.03	+ 0.03	
5	- 12.7	- 0.1	+ 0.11	+ 0.24	+ 0.04	+ 0.05	
6	- 12.0	- 0.1	+ 0.14	+ 0.23	+ 0.01	+ 0.07	49 R. P. L. and λ Urs. Min.
7	- 12.0	- 0.1	+ 0.02	+ 0.30	+ 0.02	+ 0.01	51 Cephei and λ Urs. Min.
8	- 12.3	- 0.1	+ 0.24	+ 0.32	+ 0.04	- 0.02	
9	- 12.0	- 0.1	+ 0.23	+ 0.31	+ 0.01	- 0.01	
11	- 11.8	- 0.1	+ 0.17	+ 0.33	+ 0.01	- 0.09	
12	- 11.8	- 0.1	+ 0.19	+ 0.28	- 0.02	- 0.12	60 and 150 R. P. L.
13	- 12.1	- 0.1	+ 0.19	+ 0.30	- 0.02	- 0.12	
14	- 11.8	- 0.1	+ 0.21	+ 0.30	- 0.03	- 0.13	
15	- 12.2	- 0.1	+ 0.10	+ 0.33	+ 0.01	- 0.13	69 R. P. L. and λ Urs. Min.
16	- 11.8	+ 0.2	+ 0.06	+ 0.35	+ 0.02	- 0.13	
18	- 11.6	+ 0.2	+ 0.12	+ 0.34	+ 0.02	- 0.14	
19	- 11.4	+ 0.2	+ 0.07	+ 0.40	+ 0.02	- 0.14	
20	- 12.1	+ 0.2	+ 0.12	+ 0.47	+ 0.02	- 0.14	
21	- 11.7	+ 0.2	+ 0.21	+ 0.43	+ 0.02	- 0.14	
22	- 11.8	+ 0.2	+ 0.19	+ 0.40	+ 0.01	- 0.14	
23	- 11.8	+ 0.2	+ 0.17	+ 0.42	+ 0.02	- 0.14	
25	- 11.4	+ 0.2	+ 0.22	+ 0.39	+ 0.02	- 0.15	
26	- 11.5	+ 0.2	+ 0.23	+ 0.37	+ 0.01	- 0.15	70, 72 R. P. L. & α Hydre.
28	- 11.4	+ 0.2	+ 0.13	+ 0.44	0.00	- 0.16	
29	- 11.5	+ 0.2	+ 0.21	+ 0.47	+ 0.03	- 0.17	
30	- 11.3	+ 0.2	+ 0.27	+ 0.44	+ 0.01	- 0.18	
Apl. 1	- 11.3	- 0.1	+ 0.20	+ 0.49	- 0.02	- 0.19	87 and 150 R. P. L.
2	- 11.3	- 0.1	+ 0.13	+ 0.49	- 0.01	- 0.20	

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars
	"	"	s	s	s	s	
Apl. 3	- 11.6	- 0.1	+ 0.14	+ 0.50	0.00	- 0.21	♂ Leonis and Polaris
4	- 11.1	- 0.1	+ 0.16	+ 0.51	+ 0.01	- 0.23	
5	- 11.9	- 0.1	+ 0.17	+ 0.51	+ 0.01	- 0.24	
6	- 11.2	- 0.1	+ 0.21	+ 0.50	- 0.02	- 0.26	
8	- 10.7	- 0.1	+ 0.18	+ 0.57	+ 0.02	- 0.29	
10	- 11.1	- 0.1	+ 0.08	+ 0.54	- 0.03	- 0.32	69 and 150 R. P. L.
11	- 10.8	- 0.1	+ 0.19	+ 0.59	0.00	- 0.31	
12	- 11.0	- 0.1	+ 0.26	+ 0.54	- 0.05	- 0.29	
13	- 11.2	- 0.1	+ 0.11	+ 0.59	0.00	- 0.28	
15	- 10.7	- 0.1	+ 0.13	+ 0.59	- 0.01	- 0.25	90 and 150 R. P. L.
16	- 10.4	+ 0.1	+ 0.16	+ 0.57	- 0.02	- 0.26	
17	- 10.9	+ 0.1	+ 0.13	+ 0.55	- 0.03	- 0.28	
18	- 10.9	+ 0.1	+ 0.10	+ 0.54	- 0.03	- 0.29	12 Can. Ven. and Polaris.
19	- 10.9	+ 0.1	+ 0.12	+ 0.63	+ 0.01	- 0.23	
22	- 10.4	- 0.1	+ 0.11	+ 0.64	- 0.04	- 0.04	
24	- 3.8	+ 0.1	+ 0.08	+ 0.03	- 0.02	+ 0.08	103 R. P. L. and Polaris.
25	- 4.1	+ 0.1	+ 0.05	+ 0.08	- 0.01	+ 0.10	103 R. P. L. and Polaris.
26	- 4.3	+ 0.1	+ 0.06	+ 0.09	- 0.02	+ 0.11	
27	- 4.3	+ 0.1	+ 0.06	+ 0.13	+ 0.02	+ 0.11	
29	- 4.4	+ 0.1	+ 0.06	+ 0.09	- 0.01	+ 0.12	
30	- 3.4	+ 0.1	+ 0.10	+ 0.14	- 0.02	+ 0.13	♂ Leonis and Polaris.
May 1	- 3.4	- 0.1	+ 0.11	+ 0.21	+ 0.01	+ 0.18	♂ Leonis and Polaris.
2	- 2.9	- 0.1	+ 0.15	+ 0.21	- 0.01	+ 0.18	
3	- 3.5	- 0.1	+ 0.09	+ 0.23	+ 0.03	+ 0.17	87 R. P. L. and Polaris.
4	- 3.3	- 0.1	+ 0.10	+ 0.26	+ 0.02	+ 0.18	87 R. P. L. and Polaris.
6	- 2.7	- 0.1	+ 0.24	+ 0.27	+ 0.01	+ 0.14	
7	- 3.6	- 0.1	+ 0.18	+ 0.27	- 0.02	+ 0.12	87 R. P. L. and Polaris.
8	- 3.2	- 0.1	+ 0.14	+ 0.32	0.00	+ 0.12	
9	- 3.6	- 0.1	+ 0.17	+ 0.34	+ 0.01	+ 0.12	
11	- 3.6	- 0.1	+ 0.13	+ 0.35	- 0.02	+ 0.13	87 R. P. L. and Polaris.
13	- 3.5	- 0.1	+ 0.08	+ 0.33	- 0.01	+ 0.12	
14	- 3.3	- 0.1	+ 0.15	+ 0.39	+ 0.01	+ 0.11	
15	- 3.9	- 0.1	+ 0.13	+ 0.36	- 0.02	+ 0.11	
16	- 3.6	0.0	+ 0.03	+ 0.36	- 0.02	+ 0.10	♂ Virginis and Polaris.
18	- 3.5	0.0	+ 0.06	+ 0.47	+ 0.06	+ 0.10	
22	- 3.0	0.0	+ 0.12	+ 0.39	+ 0.01	+ 0.09	
23	- 2.8	0.0	+ 0.22	+ 0.42	+ 0.01	+ 0.09	
24	- 3.7	0.0	+ 0.21	+ 0.38	+ 0.02	+ 0.09	♂ Bootis and Polaris.
25	- 3.5	0.0	+ 0.13	+ 0.43	+ 0.02	+ 0.08	
27	- 3.2	0.0	+ 0.18	+ 0.52	+ 0.02	+ 0.07	Arcturus and Polaris.
28	- 3.5	0.0	+ 0.14	+ 0.61	+ 0.02	+ 0.11	
29	- 3.6	0.0	+ 0.15	+ 0.65	+ 0.03	+ 0.14	
30	- 3.6	0.0	+ 0.26	+ 0.66	+ 0.02	+ 0.18	90 R. P. L. and Polaris.
31	- 3.5	0.0	+ 0.20	+ 0.66	+ 0.02	+ 0.20	
June 1	- 3.2	0.0	+ 0.09	+ 0.80	+ 0.05	+ 0.23	111 R. P. L. and Polaris.
4	- 3.7	0.0	+ 0.27	+ 0.83	+ 0.02	+ 0.26	
5	- 3.2	0.0	+ 0.21	+ 0.73	0.00	+ 0.27	111 R. P. L. and Polaris.
6	- 3.7	0.0	+ 0.19	+ 0.77	- 0.02	+ 0.26	
7	- 3.6	0.0	+ 0.27	+ 0.80	- 0.01	+ 0.26	
10	- 3.5	0.0	+ 0.19	+ 0.74	- 0.03	+ 0.24	
14	- 3.7	0.0	- 0.03	+ 0.80	- 0.09	+ 0.22	
15	- 2.7	0.0	- 0.01	+ 0.10	- 0.03	+ 0.22	
17	- 3.0	0.0	+ 0.05	+ 0.12	- 0.03	+ 0.21	
18	- 3.2	0.0	- 0.18	+ 0.21	- 0.01	+ 0.20	
19	- 3.2	0.0	- 0.33	+ 0.16	- 0.07	+ 0.20	
20	- 3.7	0.0	- 0.16	+ 0.17	- 0.07	+ 0.19	
22	- 3.2	0.0	+ 0.16	+ 0.22	- 0.06	+ 0.18	

April 24.—The index, inclination and meridian corrections adjusted.

June 15.—The inclination correction adjusted.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	s	s	s	s	
June 24	- 3.1	0.0	+ 0.11	+ 0.24	- 0.06	+ 0.17	♄ Hercules and 33 R. P. L.
25	- 3.4	0.0	+ 0.18	+ 0.33	- 0.01	+ 0.17	
27	- 3.8	0.0	+ 0.29	+ 0.32	- 0.04	+ 0.19	
28	- 3.1	0.0	+ 0.26	+ 0.30	- 0.02	+ 0.20	
July 2	- 3.3	0.0	+ 0.33	+ 0.44	- 0.01	+ 0.23	♄ Bootis and 43 R. P. L. ♄ Ura. Min. and 51 Cephei. ♄ Ura. Min. & 40 R. P. L.
4	- 3.8	0.0	+ 0.39	+ 0.52	+ 0.04	+ 0.32	
5	- 4.3	0.0	+ 0.42	+ 0.57	+ 0.01	+ 0.31	
6	- 3.7	0.0	+ 0.37	+ 0.61	+ 0.03	+ 0.30	♄ Lyræ and 51 Cephei.
8	- 2.8	0.0	+ 0.36	+ 0.56	- 0.01	+ 0.28	
10	- 4.9	0.0	+ 0.37	+ 0.56	- 0.02	+ 0.26	
11	- 4.0	0.0	+ 0.37	+ 0.56	- 0.04	+ 0.25	
12	- 4.1	0.0	+ 0.40	+ 0.58	- 0.03	+ 0.24	♄ Ura. Min. and 51 Cephei.
18	- 2.9	0.0	+ 0.23	+ 0.51	- 0.03	+ 0.18	
19	- 2.3	0.0	+ 0.30	+ 0.51	- 0.02	+ 0.18	
20	- 2.8	0.0	+ 0.42	+ 0.49	- 0.03	+ 0.18	
23	- 3.6	0.0	+ 0.22	+ 0.71	- 0.02	+ 0.18	♄ Ura. Min. and 51 Cephei.
25	- 2.4	0.0	+ 0.28	+ 0.75	- 0.03	+ 0.18	
27	- 3.0	0.0	+ 0.30	+ 0.77	- 0.02	+ 0.17	♄ Ura. Min. & 40 R. P. L.
30	- 3.0	0.0	+ 0.26	+ 0.83	- 0.04	+ 0.16	
31	- 3.0	0.0	+ 0.22	+ 0.84	- 0.03	+ 0.16	
Aug. 3	- 4.1	- 0.2	+ 0.20	+ 0.96	+ 0.01	+ 0.17	♄ Ura. Min. and 51 Cephei.
6	- 3.2	- 0.2	+ 0.32	+ 0.98	- 0.03	+ 0.17	
7	- 3.2	- 0.2	+ 0.39	+ 1.01	- 0.02	+ 0.17	♄ Lyræ and 51 Cephei.
8	- 3.7	- 0.2	+ 0.39	+ 0.98	- 0.04	+ 0.17	
10	- 3.3	- 0.2	+ 0.24	+ 0.92	- 0.06	+ 0.16	♄ Ura. Min. and 51 Cephei.
14	- 3.4	- 0.2	+ 0.15	+ 0.96	- 0.01	+ 0.15	
15	- 3.7	- 0.2	+ 0.22	+ 0.97	0.00	+ 0.14	♄ Ura. Min. and 51 Cephei.
16	- 3.4	- 0.2	+ 0.30	+ 0.96	0.00	+ 0.14	
20	- 4.0	- 0.2	+ 0.23	+ 0.12	+ 0.02	+ 0.13	♄ Ura. Min. and 51 Cephei.
31	- 3.7	- 0.2	+ 0.29	+ 0.16	0.00	+ 0.13	
23	- 3.7	- 0.2	+ 0.25	+ 0.13	- 0.05	+ 0.13	♄ Ura. Min. and 51 Cephei.
24	- 3.5	- 0.2	+ 0.18	+ 0.18	0.00	+ 0.13	
26	- 2.3	- 0.2	+ 0.14	+ 0.13	- 0.03	+ 0.13	♄ Ura. Min. and 51 Cephei.
27	- 3.1	- 0.2	+ 0.15	+ 0.16	- 0.02	+ 0.13	
28	- 2.5	- 0.2	+ 0.20	+ 0.26	+ 0.07	+ 0.14	
Sep. 6	- 2.2	- 0.2	+ 0.22	+ 0.25	- 0.03	+ 0.15	♄ Ura. Min. and 51 Cephei.
10	- 2.0	- 0.2	+ 0.26	+ 0.24	+ 0.01	+ 0.17	
11	- 1.7	- 0.2	+ 0.28	+ 0.21	- 0.01	+ 0.18	Polaris and 93 R. P. L.
13	- 2.1	- 0.2	+ 0.18	+ 0.20	- 0.02	+ 0.19	
16	- 1.8	- 0.1	+ 0.01	+ 0.21	+ 0.03	+ 0.20	150 and 72 R. P. L.
17	- 1.8	- 0.1	+ 0.09	+ 0.23	+ 0.05	+ 0.21	
19	- 0.7	- 0.1	+ 0.19	+ 0.22	0.00	+ 0.21	150 and 72 R. P. L.
20	- 1.0	- 0.1	+ 0.14	+ 0.20	+ 0.01	+ 0.21	
23	+ 0.3	- 0.1	+ 0.28	+ 0.20	+ 0.02	+ 0.20	150 and 72 R. P. L.
24	- 1.1	- 0.1	+ 0.38	+ 0.28	+ 0.01	+ 0.20	
26	- 1.3	- 0.1	+ 0.25	+ 0.28	+ 0.04	+ 0.20	150 and 72 R. P. L.
27	- 1.2	- 0.1	+ 0.20	+ 0.25	+ 0.03	+ 0.20	
30	- 1.1	- 0.1	+ 0.20	+ 0.37	+ 0.05	+ 0.20	
Oct. 1	- 2.0	0.0	+ 0.10	+ 0.37	- 0.01	+ 0.20	150 and 72 R. P. L.
2	- 1.3	0.0	+ 0.11	+ 0.43	+ 0.02	+ 0.19	
3	- 1.6	0.0	+ 0.39	+ 0.46	+ 0.03	+ 0.17	Polaris and Fomalhaut.
4	- 1.2	0.0	+ 0.43	+ 0.35	- 0.05	+ 0.16	
5	- 1.7	0.0	+ 0.26	+ 0.44	+ 0.01	+ 0.16	150 and 72 R. P. L.
7	- 1.5	0.0	+ 0.12	+ 0.45	- 0.01	+ 0.16	
8	- 1.6	0.0	+ 0.07	+ 0.42	- 0.02	+ 0.16	

Aug. 9.—The inclination correction adjusted.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5'	Clock Rate.	Inclina- tion.	Collima- tion.	Meridian.	Determining Stars.
	"	"	"	"	"	"	
Oct. 9	- 2.3	0.0	+ 0.06	+ 0.50	+ 0.01	+ 0.14	26 R.P.L. and δ Sculptoris.
10	- 1.9	0.0	+ 0.11	+ 0.44	0.00	+ 0.13	
14	- 0.9	0.0	- 0.07	+ 0.34	- 0.04	+ 0.07	
15	- 1.0	0.0	- 0.03	+ 0.43	- 0.03	+ 0.09	
16	- 0.9	- 0.1	+ 0.07	+ 0.50	+ 0.01	+ 0.11	
18	- 0.1	- 0.1	+ 0.12	+ 0.41	- 0.01	+ 0.16	Polaris and Achernar
19	+ 0.5	- 0.1	+ 0.17	+ 0.38	+ 0.01	+ 0.18	
21	- 0.4	- 0.1	+ 0.19	+ 0.37	+ 0.01	+ 0.18	
22	0.0	- 0.1	+ 0.22	+ 0.38	+ 0.02	+ 0.19	
24	0.0	- 0.1	+ 0.31	+ 0.40	+ 0.02	+ 0.19	
25	0.0	- 0.1	+ 0.21	+ 0.41	+ 0.02	+ 0.19	Polaris and Achernar
26	- 0.2	- 0.1	+ 0.13	+ 0.42	+ 0.04	+ 0.19	
28	+ 0.9	- 0.1	+ 0.07	+ 0.37	- 0.01	+ 0.20	
29	+ 0.5	- 0.1	- 0.07	+ 0.37	+ 0.02	+ 0.20	
30	+ 0.5	- 0.1	- 0.09	+ 0.38	0.00	+ 0.21	
31	- 0.9	- 0.1	- 0.01	+ 0.36	+ 0.03	+ 0.21	
Nov. 1	+ 0.1	+ 0.1	- 0.19	+ 0.32	- 0.05	+ 0.22	153 and 57 R. P. L.
2	+ 1.5	+ 0.1	- 0.33	+ 0.30	0.00	+ 0.23	
4	- 0.7	+ 0.1	+ 0.03	+ 0.31	+ 0.02	+ 0.22	
5	+ 0.1	+ 0.1	+ 0.04	+ 0.26	- 0.03	+ 0.22	ϵ Piscium and 90 R. P. L.
6	+ 0.4	+ 0.1	+ 0.08	+ 0.34	+ 0.02	+ 0.21	
7	+ 0.7	+ 0.1	- 0.08	+ 0.29	- 0.01	+ 0.21	
8	+ 0.2	+ 0.1	- 0.23	+ 0.34	+ 0.01	+ 0.21	Polaris and 90 R. P. L.
11	- 1.6	+ 0.1	+ 0.03	+ 0.37	+ 0.04	+ 0.20	
12	+ 1.2	+ 0.1	+ 0.04	+ 0.36	+ 0.01	+ 0.20	
13	- 1.5	+ 0.1	+ 0.19	+ 0.33	0.00	+ 0.21	Polaris and 92 R.P.L.
14	- 0.8	+ 0.1	+ 0.06	+ 0.36	+ 0.01	+ 0.22	
15	- 0.4	+ 0.1	- 0.03	+ 0.41	+ 0.06	+ 0.22	
16	- 1.0	+ 0.1	+ 0.11	+ 0.32	+ 0.01	+ 0.15	Polaris and 101 R. P. L.
18	- 1.8	+ 0.1	+ 0.12	+ 0.32	+ 0.01	+ 0.13	
20	- 2.1	+ 0.1	+ 0.05	+ 0.34	- 0.01	+ 0.10	
21	- 2.5	+ 0.1	- 0.11	+ 0.33	- 0.03	+ 0.09	Polaris and 101 R. P. L.
22	- 2.3	+ 0.1	- 0.04	+ 0.34	- 0.02	+ 0.08	
23	- 1.5	+ 0.1	+ 0.10	+ 0.30	- 0.03	+ 0.07	
26	- 0.8	+ 0.1	+ 0.08	+ 0.37	+ 0.01	+ 0.06	Polaris and ζ^1 Ceti
29	+ 0.7	+ 0.1	+ 0.14	+ 0.32	0.00	+ 0.02	
Dec. 2	+ 3.0	+ 0.3	+ 0.07	+ 0.13	- 0.03	0.00	
4	+ 5.1	+ 0.3	+ 0.27	- 0.05	- 0.06	0.00	Polaris and 103 R. P. L.
6	+ 5.6	+ 0.3	+ 0.22	- 0.09	- 0.06	0.00	
8	+ 5.3	+ 0.3	+ 0.11	- 0.13	- 0.04	0.00	
7	+ 5.3	+ 0.3	+ 0.18	- 0.13	- 0.02	- 0.02	26 R.P.L. and γ Ceti.
9	+ 5.3	+ 0.3	+ 0.10	- 0.21	- 0.04	+ 0.02	
10	+ 5.4	+ 0.3	+ 0.07	- 0.19	+ 0.01	+ 0.03	
11	+ 5.3	+ 0.3	+ 0.10	- 0.22	- 0.01	+ 0.05	Polaris and 67 Ceti.
12	+ 5.1	+ 0.3	- 0.01	- 0.26	- 0.01	+ 0.05	
13	+ 4.8	+ 0.3	- 0.07	- 0.28	+ 0.01	+ 0.06	
14	+ 4.0	+ 0.3	- 0.06	- 0.38	- 0.03	+ 0.06	33 and 114 R. P. L.
16	+ 4.0	0.0	- 0.14	- 0.33	0.00	+ 0.10	
17	+ 4.2	0.0	- 0.29	- 0.35	- 0.01	+ 0.13	
18	+ 2.4	0.0	- 0.34	- 0.37	+ 0.03	+ 0.13	40 and 115 R. P. L.
19	+ 3.0	0.0	- 0.13	- 0.36	+ 0.04	+ 0.15	
20	+ 2.9	0.0	- 0.06	- 0.39	+ 0.01	+ 0.13	
21	+ 3.0	0.0	- 0.08	- 0.43	+ 0.01	+ 0.14	35 R.P.L. and 67 Ceti
24	+ 2.3	0.0	+ 0.05	- 0.41	+ 0.02	+ 0.13	
27	+ 1.7	0.0	+ 0.04	- 0.40	+ 0.02	+ 0.11	
29	+ 0.7	+ 0.3	+ 0.03	- 0.39	+ 0.02	+ 0.10	

Nov. 30 and Dec. 1 — Heavy rain.

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.		1865.			1866.			1867.		
			Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	<i>h. m.</i>	<i>s.</i>		<i>s.</i>	<i>"</i>		<i>s.</i>	<i>"</i>		<i>s.</i>	<i>"</i>
α Andromedæ ...	0 1	61 39	4	+ 0.03	+ 0.7	8	+ 0.02	+ 1.0	3	+ 0.06	+ 0.6
γ Pegasi (Algenib) ...	0 6	75 34	7	+ 0.02	+ 0.6	7	0.00	- 0.2	4	0.00	+ 0.7
δ Ceti ...	0 23	94 42	11	- 0.02	+ 0.9	7	- 0.01	- 0.1	8	- 0.03	+ 1.3
α Cassiopææ ...	0 33	34 12	2	- 0.16	+ 1.9	2	- 0.08	+ 0.4	...	...	...
β Ceti ...	0 37	109 43	7	+ 0.06	0.0	5	+ 0.03	- 0.3	7	+ 0.04	+ 0.2
ϵ Piscium ...	0 56	82 50	13	- 0.06	+ 0.5	5	- 0.06	- 0.9	7	- 0.10	+ 0.6
α Ura. Min. (Polaris) ...	1 10	1 24	11	- 0.53	+ 1.3	5	- 0.17	- 0.6	12	- 0.59	+ 0.8
θ Ceti ...	1 17	98 53	6	0.00	+ 1.1	7	+ 0.03	+ 0.1	8	+ 0.01	+ 0.4
η Piscium ...	1 24	75 21	9	+ 0.06	+ 1.9	5	0.00	+ 0.3	10	+ 0.02	+ 0.3
α Eridani (Achernar) ...	1 33	147 55	5	+ 0.30	+ 3.0	2	+ 0.16	+ 1.2	2	+ 0.37	+ 3.4
ν Piscium ...	1 34	85 11	9	0.00	+ 1.1	9	0.00	+ 0.1	8	+ 0.02	0.0
β Arietis ...	1 47	69 51	8	+ 0.03	+ 1.9	6	+ 0.04	+ 1.2	10	- 0.01	+ 0.7
α Arietis ...	2 0	67 10	11	- 0.01	+ 1.7	9	- 0.01	+ 0.7	10	- 0.01	+ 1.4
δ Ceti ...	2 10	97 2	12	+ 0.03	+ 0.9	6	+ 0.05	+ 0.7	9	+ 0.06	+ 0.4
δ Ceti ...	2 21	82 9	11	- 0.03	- 0.1	6	+ 0.01	- 0.1	16	- 0.02	- 0.9
γ Ceti ...	2 36	87 20	9	+ 0.03	+ 0.7	2	- 0.07	+ 0.1	9	0.00	- 1.4
α Ceti ...	2 55	86 26	7	+ 0.05	+ 0.8	2	+ 0.07	+ 0.2	4	+ 0.05	- 0.2
δ Arietis ...	3 4	70 47	8	- 0.05	+ 2.1	4	- 0.06	+ 2.2	6	0.00	+ 1.6
α Persei ...	3 15	40 37	1	- 0.18	+ 0.6	1	- 0.16	- 0.2	1	- 0.01	+ 0.1
η Tauri ...	3 40	66 19	4	0.00	+ 2.2	3	- 0.05	+ 1.3	11	+ 0.02	+ 0.4
γ Eridani ...	3 52	103 54	6	+ 0.05	+ 1.0	4	+ 0.09	- 0.7	12	+ 0.02	+ 0.5
α Eridani ...	4 5	97 11	7	- 0.03	+ 2.1	5	- 0.02	+ 0.6	2	+ 0.01	+ 1.7
ϵ Tauri ...	4 21	71 7	12	- 0.01	+ 1.8	8	+ 0.01	+ 1.3	11	- 0.01	+ 0.9
α Tauri (Aldebaran) ...	4 28	73 46	8	- 0.03	+ 2.3	8	- 0.05	+ 1.4	12	- 0.01	+ 1.2
ϵ Aurigæ ...	4 48	67 3	3	- 0.09	+ 1.9	5	+ 0.02	+ 0.8	13	- 0.01	+ 0.8
ϵ Leporis ...	5 0	112 33	4	+ 0.12	+ 0.6	7	+ 0.10	+ 0.6	8	+ 0.05	+ 1.0
α Aurigæ (Capella) ...	5 7	44 9	1	- 0.09	+ 0.3	2	- 0.09	+ 1.0	3	+ 0.01	+ 0.7
β Orionis (Rigel) ...	5 8	98 22	2	+ 0.06	+ 0.4	3	+ 0.03	+ 0.5	4	+ 0.01	+ 1.3
β Tauri ...	5 18	61 31	5	- 0.01	+ 0.6	9	+ 0.03	+ 0.7	12	+ 0.02	+ 0.9
δ Orionis ...	5 25	90 24	2	0.00	+ 0.8	7	- 0.01	+ 1.0	9	- 0.03	+ 0.6
α Leporis ...	5 27	107 55	5	+ 0.05	+ 1.2	4	- 0.05	+ 1.1	5	- 0.10	+ 1.1
ϵ Orionis ...	5 29	91 17	3	+ 0.07	+ 0.7	3	+ 0.08	+ 1.6	4	+ 0.07	+ 1.3
α Col. b. ...	5 35	124 9	8	- 0.12	+ 2.6	4	- 0.14	+ 2.7	8	- 0.09	+ 2.7
α Orionis ...	5 48	82 37	9	+ 0.04	+ 0.4	2	- 0.01	- 0.2	7	+ 0.02	- 0.4
ν Orionis ...	6 0	75 13	0	0.00	+ 1.0	3	- 0.02	+ 0.4	9	- 0.02	+ 0.7
μ Geminorum ...	6 15	67 25	6	+ 0.01	+ 1.4	5	- 0.03	+ 1.1	8	- 0.02	+ 1.3

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.			1865.			1866.			1867.		
				Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	<i>h</i>	<i>m</i>	<i>s</i>		<i>s</i>	<i>"</i>		<i>s</i>	<i>"</i>		<i>s</i>	<i>"</i>
α Argûs (<i>Canopus</i>) ..	6	21	142 37	1	-0 02	+ 0 7	1	+0 10	+ 0 6	2	-0 02	0 0
γ Geminorum ...	6	30	73 29	5	0 00	+ 2 9	11	-0 02	+ 2 7	6	+0 01	+ 1 2
51 (Her.) Cephei ..	6	37	2 45	7	-0 19	- 1 1	6	-0 04	0 0	10	0 00	- 0 2
α Canis Maj. (<i>Sirius</i>) ..	6	39	106 32	2	-0 29	+ 0 2	1	-0 36	0 0	2	-0 29	- 0 1
ϵ Canis Majoris ...	6	53	118 48	6	-0 01	- 0 1	9	+0 05	- 0 6	4	-0 06	- 0 2
γ Canis Majoris ...	6	58	105 26	10	0 00	+ 1 1	8	-0 01	+ 0 7	5	-0 07	+ 0 8
δ Geminorum ...	7	12	67 46	11	-0 06	+ 1 4	11	-0 03	+ 1 7	14	-0 03	+ 0 9
α^1 Geminorum (<i>Castor</i>) ..	7	26	57 40	6	-0 06	+ 1 0	6	-0 04	+ 1 8	12	0 00	+ 1 1
α Cao. Min. (<i>Procyon</i>) ..	7	32	84 26	10	+0 08	+ 2 5	14	+0 01	+ 2 7	16	+0 03	+ 2 1
β Geminorum (<i>Pollux</i>) ..	7	37	61 39	9	+0 01	+ 1 3	16	+0 03	+ 1 9	11	-0 01	+ 1 4
δ Cancri ...	7	55	61 50	8	-0 06	+ 1 7	15	-0 06	+ 2 8	3	-0 08	+ 1 3
15 Argûs ...	8	2	113 55	6	+0 03	+ 0 8	11	+0 06	+ 1 4	10	+0 04	1 1
η Cancri ...	8	25	69 6	10	0 00	+ 1 1	9	0 00	+ 1 6	10	+0 05	+ 1 2
ϵ Hydree ...	8	40	83 6	17	-0 03	+ 1 1	9	+0 01	+ 2 5	9	-0 03	+ 1 1
ϵ Ursæ Majoris ...	8	50	41 26	2	-0 03	- 0 3	1	+0 15	+ 1 3	...	...	...
83 Cancri ...	9	11	71 44	12	+0 11	+ 0 7	10	+0 07	+ 1 1	4	+0 09	+ 0 2
ϵ Argûs ...	9	14	148 43	2	+0 05	+ 4 5	2	+0 06	+ 6 4	1	+0 27	+ 4 8
α Hydree ...	9	21	98 5	11	0 00	+ 0 9	14	+0 01	+ 0 7	7	-0 01	+ 1 1
θ Ursæ Majoris ...	9	24	37 43	1	+0 11	+ 0 7	2	+0 41	+ 4 6	...	...	...
ϵ Leonis ...	9	39	65 37	12	+0 01	+ 1 4	9	-0 05	+ 3 5	12	-0 01	+ 1 6
ν Leonis ...	9	53	81 19	13	-0 01	+ 0 7	15	-0 01	+ 1 1	14	0 00	+ 0 2
α Leonis (<i>Regulus</i>) ...	10	1	77 23	11	+0 01	+ 0 7	13	-0 02	+ 1 3	12	-0 01	+ 0 5
γ^1 Leonis ...	10	13	69 29	9	-0 08	+ 1 5	5	-0 01	+ 1 0	7	-0 03	+ 1 0
ρ Leonis ...	10	26	80 0	14	-0 04	+ 0 6	6	-0 02	+ 0 3	12	0 00	+ 0 6
η Argûs ...	10	40	148 59	3	+0 00	+ 4 4	1	+0 00	+ 5 3	2	+0 02	+ 4 7
ι Leonis ...	10	42	78 45	11	+0 02	+ 1 1	4	+0 05	+ 1 7	9	+0 05	+ 1 5
α Ursæ Majoris ...	10	55	27 32	4	-0 11	- 1 1	1	-0 02	- 1 6	1	+0 05	0 0
χ Leonis ...	10	58	81 58	7	-0 03	+ 0 2	8	+0 01	+ 1 6	15	0 00	- 0 1
δ Leonis ...	11	7	18 45	5	-0 05	+ 0 7	7	-0 10	+ 1 5	12	-0 02	+ 0 9
δ Crateræ ...	11	13	104 3	6	+0 00	- 0 3	11	+0 02	- 0 5	13	+0 03	- 0 5
ν Leonis ...	11	30	10 5	7	-0 03	+ 1 1	10	0 00	+ 2 0	19	-0 04	+ 1 5
β Leonis ...	11	42	74 41	8	+0 05	+ 1 3	7	0 00	+ 2 5	17	+0 04	+ 0 7
γ Ursæ Majoris ...	11	47	25 34	1	+0 52	+ 0 9	1	+0 08	+ 0 6	...	...	...
ϵ Corvi ...	12	3	111 52	8	-0 04	+ 1 0	11	+0 02	- 0 7	6	-0 02	+ 1 4
ϵ Virgine ...	12	13	89 52	13	+0 03	+ 1 7	7	0 00	+ 1 8	12	0 00	+ 1 7
α^1 Crateræ ...	12	18	102 21	1	+0 34	+ 5 4	2	-0 03	+ 4 5	...	...	...

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866			1865.			1866.			1867		
				Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	<i>h</i>	<i>m</i>	<i>s</i>		<i>s</i>	<i>s</i>		<i>s</i>	<i>s</i>		<i>s</i>	<i>s</i>
β Corvi	12	27	112 39	9	+ 0.16	- 0.1	8	+ 0.17	- 0.1	4	+ 0.09	+ 0.3
γ^1 Virginie	12	35	90 43	3	- 0.08	- 3.2	4	0.00	- 3.0	8	- 0.08	- 3.7
12 Canum Venaticor.	12	50	50 57	12	0.00	+ 0.5	1	+ 0.11	+ 0.8	7	+ 0.02	+ 0.2
θ Virginie	13	3	94 49	12	- 0.01	+ 0.9	6	- 0.01	- 0.3	14	- 0.01	+ 0.9
α Virginie (<i>Spica</i>) ..	13	18	100 28	17	+ 0.01	+ 0.6	5	0.00	+ 0.5	10	- 0.05	- 0.1
δ Virginie	13	28	89 55	11	- 0.07	+ 1.6	4	- 0.01	+ 1.4	11	- 0.04	+ 1.7
η Ursa Majoris	13	42	40 1	3	- 0.01	- 0.4	...	...	...	...	...	...
η Bootis	13	48	70 56	10	+ 0.01	+ 0.7	5	+ 0.01	- 0.4	9	- 0.01	+ 0.7
β Centauri	13	54	119 43	1	+ 0.11	+ 1.3	2	+ 0.33	+ 1.0	1	+ 0.23	+ 1.3
τ Virginie	13	55	87 48	6	+ 0.02	- 0.9	11	+ 0.01	+ 0.6	12	+ 0.03	- 0.2
α Bootis (<i>Arcturus</i>) ..	14	10	70 7	13	+ 0.03	+ 0.9	11	+ 0.08	+ 1.6	14	+ 0.04	+ 1.4
ρ Bootis	14	26	59 2	15	- 0.08	+ 0.8	5	- 0.12	+ 2.4	11	- 0.05	+ 1.4
α Centauri	14	31	150 17	5	- 1.04	+ 16.4	3	- 0.95	+ 16.3	...	...	...
ϵ Bootis	14	39	62 22	11	+ 0.03	- 0.2	4	- 0.04	+ 1.7	6	0.00	0.0
α^1 Libræ	14	43	105 29	11	- 0.01	- 0.1	4	- 0.02	+ 0.5	6	+ 0.01	+ 0.5
β Ursa Minoris	14	51	15 18	1	+ 0.08	- 2.4	...	...	...	1	+ 0.24	- 1.7
ϕ Bootis	14	59	62 32	5	- 0.07	+ 1.3	5	- 0.08	+ 2.2	3	- 0.11	+ 0.8
δ Libræ	15	10	95 53	9	0.00	0.0	8	- 0.02	+ 0.4	5	+ 0.01	+ 0.2
α Coronæ Borealis ...	15	29	62 50	7	+ 0.03	+ 0.1	4	+ 0.05	+ 2.0	4	+ 0.03	+ 1.1
α Serpentis	15	38	83 9	5	+ 0.09	0.0	2	0.00	+ 1.4	10	+ 0.03	- 0.2
δ Ursa Minoris	15	49	11 48	...	...	...	1	+ 0.33	- 0.7	...	...	...
β^1 Scorpii	15	58	109 26	4	- 0.02	+ 0.3	5	- 0.02	+ 0.8	7	+ 0.01	+ 0.6
δ Ophiuchi	16	7	93 21	3	- 0.03	+ 1.0	5	+ 0.07	+ 1.8	2	+ 0.04	+ 1.2
α Scorpii (<i>Antares</i>) ..	16	21	116 8	2	+ 0.02	- 0.1	4	+ 0.03	+ 0.1	1	+ 0.05	- 1.0
η Draconis	16	22	28 11	...	...	...	1	- 0.63	+ 0.1	...	...	...
α Trianguli Australis	16	35	158 47	1	+ 0.18	+ 1.3	1	- 0.05	+ 3.5	...	...	...
δ Herculis	16	36	58 9	4	+ 0.06	+ 1.3	5	- 0.05	+ 0.7	3	- 0.09	+ 1.6
α Ophiuchi	16	51	80 25	4	- 0.09	+ 0.3	4	- 0.12	+ 0.5	3	- 0.09	+ 0.4
ϵ Ursa Minoris	17	0	7 45	2	- 0.90	+ 2.0	3	- 0.28	+ 3.4	2	- 0.03	+ 4.1
α Herculis	17	9	75 27	8	+ 0.03	+ 0.7	2	+ 0.05	+ 0.8	3	+ 0.02	+ 1.1
θ Ophiuchi	17	14	114 52	3	0.00	+ 2.5	5	+ 0.07	+ 1.8	4	+ 0.03	+ 2.3
β Draconis	17	27	37 36	...	...	...	...	...	...	1	- 0.04	+ 0.3
α Ophiuchi	17	29	77 20	4	- 0.02	+ 0.7	8	0.00	+ 0.6	8	0.00	+ 1.2
μ Herculis	17	41	62 12	7	- 0.04	+ 0.4	4	+ 0.05	- 0.2	6	+ 0.02	+ 0.5
γ Draconis	17	53	38 30	1	- 0.24	+ 1.1	3	+ 0.01	- 0.6	...	...	...
μ^1 Sagittarii	18	6	111 5	7	+ 0.05	+ 0.4	10	+ 0.08	+ 0.1	9	- 0.01	+ 0.6

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.		1865.			1866.			1867.		
			Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	A. m.	s.		s	"		s	"		s	"
3 Ursæ Minoris ..	18 16	3 24	5	+ 0.01	- 0.4	4	+ 0.27	- 0.4	4	+ 0.14	- 1.5
α Lyrae (Vega) ...	18 32	51 20	5	+ 0.02	+ 1.2	8	- 0.03	+ 1.2	5	- 0.02	+ 0.1
β Lyrae ...	18 45	56 47	7	+ 0.03	+ 0.4	5	+ 0.02	+ 0.3	13	- 0.01	+ 0.1
3 Aquilæ ...	18 59	76 20	8	+ 0.06	+ 1.0	5	+ 0.05	+ 0.9	12	+ 0.06	+ 1.3
α Aquilæ ...	19 12	78 39	7	- 0.01	- 0.2	2	- 0.01	0.0	6	- 0.02	- 0.1
δ Aquilæ ...	19 19	87 9	8	- 0.02	+ 0.7	9	- 0.03	+ 0.7	7	- 0.02	+ 0.5
α ¹ Sagittarii ...	19 29	115 11	5	+ 0.10	+ 1.9	5	+ 0.06	+ 1.8	2	+ 0.05	+ 2.1
γ Aquilæ ...	19 40	79 43	5	- 0.08	+ 0.8	5	+ 0.01	+ 0.4	6	- 0.02	+ 0.3
α Aquilæ (Altair) ...	19 44	81 29	6	- 0.01	0.0	4	- 0.03	+ 0.1	4	- 0.05	- 0.1
β Aquilæ ...	19 49	83 56	3	- 0.06	+ 0.3	4	- 0.07	+ 0.7	7	0.00	+ 0.2
λ Ursæ Minoris ...	19 58	1 6	2	- 0.64	- 0.4	4	- 0.33	+ 1.9	6	- 0.57	- 0.1
α ¹ Capricorni ...	20 11	102 57	8	- 0.01	0.0	6	- 0.01	+ 0.1	5	0.00	+ 0.3
α Pavonis ...	20 15	147 10	2	- 0.38	+ 3.1	1	- 0.27	+ 1.5	...	...	...
ρ Capricorni ...	20 21	108 15	5	+ 0.05	+ 0.5	13	+ 0.12	+ 0.7	9	+ 0.09	+ 1.3
α Cygni ...	20 37	45 12	5	+ 0.06	+ 0.4	4	+ 0.03	+ 0.5	4	- 0.01	+ 1.7
32 Vulpeculæ ...	20 49	62 27	6	- 0.09	+ 0.4	8	- 0.05	+ 0.7	9	- 0.02	+ 1.2
61 ¹ Cygni ...	21 1	51 54	3	+ 0.13	+ 0.6	3	+ 0.21	- 0.3	3	+ 0.20	+ 1.6
3 Cygni ...	21 7	60 19	5	- 0.03	+ 0.8	14	- 0.02	0.0	5	- 0.01	+ 0.7
α Cephei ...	21 15	37 59	2	- 0.11	- 2.2	2	- 0.13	- 1.2	...	...	...
β Aquarii ...	21 35	26 10	7	+ 0.09	+ 1.3	9	+ 0.05	+ 0.9	7	+ 0.08	+ 0.8
β Cephei ...	21 27	20 2	1	+ 0.20	- 1.9	2	+ 0.16	- 1.1	...	...	...
α Pegasi ...	21 38	80 41	4	- 0.04	+ 1.1	7	- 0.01	0.0	8	- 0.09	0.0
16 Pegasi ...	21 47	64 42	3	0.00	+ 1.1	4	- 0.07	+ 0.7	4	- 0.09	+ 0.7
α Aquarii ...	21 59	90 54	6	+ 0.03	+ 0.6	9	+ 0.01	+ 0.1	4	+ 0.02	+ 0.4
α Grulæ ...	22 0	137 37	1	+ 0.01	+ 2.8	1	+ 0.01	+ 2.4	...	...	...
θ Aquarii ...	22 10	98 27	10	+ 0.01	+ 1.1	7	- 0.07	+ 1.2	8	- 0.04	+ 1.1
ν Aquarii ...	22 28	90 48	9	+ 0.01	+ 1.2	6	0.00	+ 1.3	4	+ 0.01	+ 0.8
3 Pegasi ...	22 35	79 52	11	+ 0.08	+ 1.1	5	+ 0.04	+ 0.6	11	+ 0.08	+ 0.6
α Pis. Aus. (Fomalhaut) ...	22 50	120 20	3	+ 0.14	+ 0.7	6	+ 0.08	+ 1.2	4	0.00	+ 0.8
α Pegasi (Matar) ...	22 28	75 31	12	0.00	+ 1.8	3	+ 0.01	+ 1.2	5	- 0.02	+ 1.3
γ Piscium ...	23 10	87 27	12	- 0.03	+ 0.2	9	0.00	+ 0.9	10	+ 0.01	+ 0.3
α Piscium ...	23 20	89 29	13	- 0.02	+ 0.9	7	- 0.01	+ 0.5	9	+ 0.08	+ 0.7
ι Piscium ...	23 23	85 6	11	- 0.06	+ 0.2	6	- 0.07	- 0.4	9	- 0.01	- 0.2
γ Cephei ...	23 34	13 7	...	...	...	2	+ 0.22	- 2.2	...	...	...
δ Sculptoris ...	23 42	118 22	5	+ 0.02	+ 1.9	4	- 0.02	+ 1.8	4	- 0.03	+ 2.3
α Piscium ...	23 52	83 53	9	- 0.02	+ 0.6	2	+ 0.03	- 0.2	3	- 0.03	+ 0.2

Page	No.	Date and Subject.	For	Read	Page	No.	Date and Subject.	For	Read
<i>In Separate Results for 1865.</i>									
2	1	Star	Taylor 11011	Taylor 11010	183	460	Apl. 12 Sec. of R. A. ..	37 76	37 47
16	10	Nov. 10 Sec. of R. A. ..	6 60	6 63	184	512	" 18 " ..	17 94	17 94
20	20	Star	Lacaille 16	Lacaille 01	186	536	" 23 " ..	39 34	39 30
23	Nov. 6	Date	Nov. 4	Nov. 3	189	597	Mar. 16 " ..	39 33	13 44
26	13	Sec. of R. A. ..	29 37	29 39	189	646	Apl. 26 Degrees of P. D. ..	3	3
43	Oct. 26	Min. of R. A. ..	60	60	184	601	June 9 Min. & Sec. of R. A. ..	75 3 00	74 54 41
6	60	Star	V. Plac. Var. 8	Anon.	171	604	Aug. 16 Sec. of P. D. ..	34 4	34 4
12	100	Jan. 1 Min. of P. D. ..	3	3	173	645	Sep. 10 Sec. of R. A. ..	77 60	77 60
101	" 20	Min. & Sec. of P. D. ..	44 36 6	43 34 3	174	650	" 10 " ..	37 36	36 13
"	" 30	" ..	44 34 6	43 34 3	175	657	" 10 Degrees of P. D. ..	61	60
18	195	" 9 " ..	4 30 1	3 19 7	<i>In Mean Positions for 1866.</i>				
194	" 10	" ..	30 19 7	29 18 4	182	12	Sec. of Mean R. A. ..	54 47	54 49
21	260	Mar. 11 Sec. of R. A. ..	34 46	33 46	190	100	Min. & Sec. of Mean P. D. ..	50 49 6	51 14 9
27	444	" 10 Min. of P. D. ..	35	34	194	194	Sec. of Mean R. A. ..	36 40	36 40
30	640	May 22 Sec. of P. D. ..	14 1	20 3	209	209	Min. & Sec. of Mean P. D. ..	30 26 4	37 20 3
40	693	" 27 Min. of P. D. ..	34	23	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
61	709	June 3 Sec. of P. D. ..	34 1	39 4	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
72	772	" 3 " ..	21 1	23 6	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
10	774	July 1 Sec. of R. A. ..	30 66	34 71	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	" 1	Sec. of P. D. ..	25 6	13 4	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
45	835	" 19 Sec. of R. A. ..	41 08	39 22	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	" 10	Sec. of P. D. ..	25 1	19 9	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
34	944	Star	Lacaille 6630	Anon.	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
<i>In Mean Positions for 1865.</i>					270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
16	10	Sec. of Mean R. A. ..	6 60	6 63	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
20	20	Star	12 Can. a Var. 2	12 Can. a Var. 2	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
34	34	Estimations	1	1	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
40	40	Hour of Mean R. A. ..	1	0	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
60	60	Star, (same foot-note also)	V. Plac. Var. 8	....	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
66	66	Sec. Var. in R. A. ..	13 40 50	13 40 52	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
120	120	Min. of Mean P. D. ..	80	63	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
72	101	Min. & Sec. of Mean P. D. ..	44 35 6	43 37 3	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	140	" ..	4 20 1	3 19 7	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
73	144	Ann. Free. in R. A. ..	0 37 23	0 37 43	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
70	207	Sec. of Mean R. A. ..	2 70	2 95	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
79	294	Ann. Free. in P. D. ..	4 06 3	4 06 0	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
80	350	Sec. of Mean R. A. ..	34 60	33 60	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
84	434	Min. of Mean P. D. ..	36	34	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
91	575	Hour of Mean R. A. (also in next four lines.)	10	11	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	"	Min. of Mean P. D. ..	47	23	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
96	627	" ..	37	31	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
94	630	Sec. of Mean P. D. ..	14 1	20 3	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	646	Min. of Mean P. D. ..	34	23	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
100	693	Sec. of Mean P. D. ..	64 1	60 4	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
102	709	Min. of Mean P. D. ..	21 1	23 0	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	772	" ..	27 04 1	2 40 4	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
103	790	Ann. Free. in R. A. ..	14	13	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
104	736	Hour of Mean R. A. ..	20 9	24 2	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	742	Sec. of Mean P. D. ..	3 5	1 0	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	767	Magnitude	1 0	3 6	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	793	" ..	30 66	34 71	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
100	773	Sec. of Mean R. A. ..	25 0	13 4	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	"	Sec. of Mean P. D. ..	2 23 12	4 07 1	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
107	"	Ann. Free. in R. A. ..	0 04 99	0 04 53	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	"	Sec. Var. in R. A. ..	0 22 1	0 46 0	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	"	Sec. Var. in P. D. ..	41 06	30 22	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
109	835	Sec. of Mean R. A. ..	20 1	10 9	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	"	Min. of Mean P. D. ..	21	20	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
110	844	Ann. Free. in R. A. ..	57 00 16	57 00 32	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
110	917	Sec. Var. in R. A. ..	20 9 03	19 0 13	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
"	"	Star	Lacaille 6630	....	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
116	940	Star (also on page 117.)	Lacaille 6630	....	270	670	Stars—(also on page 121.)	Cetus Ven.	Canum Ven.
<i>In Separate Results for 1866.</i>					<i>In Mean Positions for 1867.</i>				
126	12	Oct. 30 Sec. of R. A. ..	54 03	57 49	216	301	Sec. of Mean R. A. ..	9 90	9 94
127	20	Apl. 20 " ..	14 94	17 94	216	304	" ..	23 94	27 94
133	164	Jan. 10 Min. & Sec. of P. D. ..	16 44 6	57 14 0	274	454	" ..	22 04	22 01
134	194	Feb. 1 Sec. of R. A. ..	20 78	20 05	274	460	" ..	01 03	01 02
140	269	Jan. 30 Min. & Sec. of P. D. ..	24 29 4	37 30 3	274	493	" ..	10 50	10 53
142	301	Feb. 2 Sec. of R. A. ..	22 71	23 71	274	535	Sec. of Mean P. D. ..	0 7	7 9
144	335	Jan. 16 Min. of P. D. ..	11	10	274	576	" ..	2 0	2 0
"	343	Star	Taylor 3123	Anon.	274	713	Star	8 Cygn. Var.	8 Cor. Nor.
147	346	Feb. 14 Min. & Sec. of P. D. ..	6 3 4	4 6 3 9	274	843	Sec. of Mean R. A. ..	13 44	13 39

ADDITIONAL ERRATA IN THE PREVIOUS VOLUME

Page	No.	Date and Subject	For	Read	Page	No.	Date and Subject	For	Read
<i>In Separate Results for 1962.</i>					<i>In Separate Results for 1961.</i>				
11	10	Sep. 28 Sec. of P. D.	3 0	2 9	166	8	Sep. 27 Sec. of R. A.	30 31	30 31
14	102	June 8 Sec. of R. A.	11 73	11 75	..	Oct. 7	..	30 34	30 30
16	101	Aug. 16 ..	10 50	10 42	171	66	Nov. 29 Star	V Plac. Var. 6	..
<i>In Mean Positions for 1962.</i>					189	262	3 days Min. of P. D.	5	1
32	40	Sec. of Mean P. D.	3 8	2 7	194	320	Sep. 13 Sec. of P. D.	40 4	40 1
34	107	Sec. of Mean R. A.	10 50	10 49	200	406	.. 29 ..	53 9	51 7
38	..	Proper motions	Both to be omitted.	..	220	638	Apr. 27 ..	7 3	12 5
<i>In Separate Results for 1963.</i>					231	788	June 8 Sec. of R. A.	52 56	53 30
16	105	Jan. 30 Sec. of R. A.	26 01	25 41	193	..	.. 4 ..	18 37	16 75
90	262	Mar. 8 ..	45 79	45 34	233	796	Aug. 8 Min. of P. D.	7	6
92	247	.. 12 Min. & Sec. of P. D.	53 17 9	54 19 1	237	864	Oct. 1 Sec. of R. A.	22 11	21 10
99	457	Apr. 12 Sec. of R. A.	13 34	14 06	239	879	Aug. 24 Min. of R. A.	44	47
99	412	May 29 Min. & Sec. of P. D.	36 51 9	37 34 4	245	943	Nov. 6 Sec. of R. A.	51 44	51 36
405	470	June 3 Sec. of P. D.	9 1	14 1	248	949	Sep. 22 Sec. of P. D.	1 0	5 5
<i>In Mean Positions for 1963.</i>					264	974	Nov. 7 Sec. of R. A.	43 78	59 47
124	196	Sec. of Mean R. A.	36 01	35 41	250	1000	.. 12 Min. & Sec. of P. D.	60 3 3	49 51 2
130	262	Note. Period in days	220	204	<i>In Mean Positions for 1964.</i>				
139	352	Sec. of Mean R. A.	49 75	49 24	252	8	Sec. of Mean R. A.	30 45	30 47
..	367	Min. & Sec. of Mean P. D.	53 17 9	54 16 1	254	86	Star (erase note also)	V Plac. Var	..
142	430	Foot-note to be inserted.	Double fainter comp. n p.	..	258	116	Foot-note	115	119
144	451	Sec. of Mean R. A.	12 36	14 06	264	262	Min. of Mean P. D.	2	1
146	571	Min. & Sec. of Mean P. D.	39 51 9	37 34 1	270	322	Foot-note. Period in days	220	204
155	634	Sec. Var. in P. D.	1 027	2 577	274	378	Sec. of Mean P. D.	41 3	41 3
156	646	Star	9989 Taylor.	9989 Taylor	406	406	..	53 9	53 9
..	670	Sec. of Mean P. D.	8 1	14 1	276	446	Star, note and page 277	30 Hyd. & V. 1 30 Hyd. & V. 2.	..
					284	573	Insert foot-note	Double fainter comp. n p.	..
					294	656	Sec. of Mean P. D.	7 3	12 5
					296	709	Sec. of Mean R. A.	52 56	53 30
					..	773	..	15 37	16 75
					801	795	Min. of Mean P. D.	7	6
					804	854	Sec. of Mean R. A.	22 17	21 10
					802	870	Min. of Mean R. A.	44	47
					804	943	Sec. of Mean R. A.	51 44	51 36
					805	931	Sec. Var. in R. A.	1 1361	1 1704
					806	949	Sec. of Mean P. D.	1 0	5 5

SEPARATE RESULTS
OF
OBSERVATIONS
OF THE FIXED STARS,
MADE WITH THE
MADRAS MERIDIAN CIRCLE
IN THE YEAR
1865.

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.
35	<i>W. B. E. 0-716.</i>					45	<i>71 Piscium *</i>				
Oct. 23	0-3	0 41 44-57	...	91 36 22-8	n	Sep. 6	...	0 55 56-24	...	82 50 14-2	m
Nov. 14	0-0	41 44-55	...	36 30-2	m	7	...	55 56-40	...	50 15-5	m
36	<i>Anon.</i>					Oct. 7	...	55 56-32	...	50 15-4	m
Oct. 7	0-2	0 42 58-18	4	89 4 1-1	m	27	...	55 56-41	...	50 14-4	n
Nov. 23	...	42 58-07	...	4 1-6	n	31	...	55 56-30	...	50 15-3	n
37	<i>Anon.</i>					Nov. 11	...	55 56-25	...	50 14-9	m
Nov. 4	0-0	0 47 38-53	5	153 39 57-1	m	16	...	55 56-28	...	50 14-7	n
38	<i>N. Toucani.</i>					17	...	55 56-25	...	50 15-9	n
Nov. 15	6-0	0 48 0-08	5	153 36 20-5	m	21	...	55 56-31	...	50 16-0	n
17	6-0	48 0-25	5	36 21-5	m	22	...	55 56-25	...	50 15-6	n
29	6-7	48 0-32	5	36 21-0	n	23	...	55 56-34	5	50 16-8	n
39	<i>Anon.</i>					29	...	55 56-32	...	50 15-8	n
Oct. 3	0-2	0 48 57-80	...	183 46 57-8	m	30	...	55 56-24	...	50 14-9	m
Nov. 13	0-0	48 57-83	...	46 54-2	m	46	<i>Anon.</i>				
40	<i>Lacaille 264.</i>					Nov. 16	8-0	1 5 48-39	...	129 52 44-1	n
Dec. 8	7-9	0 50 47-26	5	184 41 46-1	m	Dec. 9	8-0	5 48-36	...	52 43-7	m
41	<i>2 Ursae Minoris.</i>					12	7-9	5 48-42	...	52 43-4	m
Oct. 23	...	0 50 51-54	3	4 23 6-9	n	47	<i>86 Piscium 3 (1st).</i>				
42	<i>W. B. E. 0-897.</i>					Oct. 4	...	1 6 40-72	...	83 8 21-3	m
Nov. 24	0-2	0 52 15-52	...	92 49 36-7	n	5	...	6 40-83	...	8 22-6	m
43	<i>Lacaille 271.</i>					Nov. 23	...	6 40-67	...	8 20-1	n
Nov. 10	7-7	0 52 44-09	...	151 25 36-4	m	29	...	6 40-80	...	8 22-6	n
Dec. 7	7-1	52 44-97	5	25 36-2	m	48	<i>Anon.</i>				
44	<i>70 Piscium.</i>					Dec. 1	7-9	1 7 28-41	...	152 59 45-0	m
Oct. 18	...	0 55 5-55	...	82 47 16-9	n	14	8-0	7 28-42	...	59 42-2	m
26	...	55 5-71	...	47 18-2	n	49	<i>1 Ursae Minoris α, Polaris.</i>				
Nov. 14	6-9	55 5-33	...	47 19-5	m	Oct. 7	...	0 9 36-47	3	1 24 30-3	m
45	<i>71 Piscium *</i>					23	...	9 36-61	3	24 35-3	n
46	<i>Anon.</i>					Nov. 14	...	9 36-22	3	24 40-8	m
47	<i>86 Piscium 3 (1st).</i>					27	...	9 37-21	3	24 37-7	n
48	<i>Anon.</i>					Dec. 11	...	9 36-52	3	24 39-1	m
49	<i>1 Ursae Minoris α, Polaris.</i>					50	<i>1 Ursae Minoris α, Polaris—s.p.</i>				
50	<i>1 Ursae Minoris α, Polaris—s.p.</i>					Apr. 8	...	1 9 37-31	3	1 24 37-7	m
51	<i>1 Ursae Minoris α, Polaris—s.p.</i>					26	...	9 36-43	3	24 38-3	n

Separat Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. a. r. s.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. a. r. s.	Observer.
May 8	...	1 9 36.80	1	1 24 37.7	m	58 99 Piscium γ					
15	...	9 38.14	2	24 38.8	m	Nov. 11	...	1 24 15.60	...	75 21 4.9	m
22	...	9 37.15	3	24 36.7	m	13	...	24 15.85	...	21 0.4	m
26	...	9 38.79	1	24 39.2	m	14	...	24 15.64	...	21 7.6	m
50 Anon.						15	...	24 15.75	4	21 6.1	m
Oct. 26	9.7	1 10 11.77	...	81 49 27.0	m	25	...	24 15.76	...	21 6.7	m
Nov. 15	9.6	10 11.60	...	49 25.9	m	Dec. 1	...	24 15.64	5	21 5.9	m
16	9.7	10 11.68	4	49 26.6	m	2	...	24 15.89	3	21 7.9	m
51 Anon.						7	...	24 15.92	...	21 4.4	m
Oct. 13	8.0	1 10 21.82	...	133 51 46.1	m	28	...	24 15.68	...	21 5.7	m
Nov. 10	8.7	10 21.64	3	51 45.7	m	59 Anon.					
13	8.1	10 21.75	...	51 44.3	m	Nov. 4	9.0	1 29 3.40	...	150 42 16.4	m
52 Anon.						28	9.6	29 3.47	5	42 16.7	m
Dec. 15	9.1	1 12 16.44	...	153 17 16.2	m	Dec. 8	8.8	29 3.29	4	42 15.3	m
53 Anon.						60 α Eridani, Achernar.					
Nov. 4	8.0	1 17 3.35	4	96 31 6.9	m	Oct. 31	...	1 33 41.23	...	147 55 26.4	m
Dec. 14	7.9	17 3.00	3	31 4.7	m	Nov. 3	...	32 41.24	...	55 25.2	m
54 45 Ceti δ						22	...	32 41.06	6	55 26.7	m
Nov. 11	...	1 17 16.42	...	98 52 52.3	m	27	...	32 41.13	...	55 28.0	m
15	...	17 16.52	...	52 52.6	m	30	...	32 41.09	...	55 29.6	m
22	...	17 16.51	...	52 52.3	m	61 106 Piscium ν					
29	...	17 16.45	...	52 52.2	m	Oct. 4	...	1 34 24.34	...	85 11 48.5	m
Dec. 2	...	17 16.55	...	52 53.3	m	Nov. 13	...	34 24.30	...	11 50.1	m
28	...	17 16.47	5	52 54.4	m	14	...	34 24.43	...	11 50.3	m
55 Anon.						16	...	34 24.51	...	11 49.0	m
Dec. 8	7.9	1 18 55.35	...	151 20 5.0	m	28	...	34 24.46	...	11 49.3	m
56 Anon.						29	...	34 24.49	...	11 49.6	m
Oct. 7	8.4	1 23 31.24	...	87 43 40.2	m	Dec. 7	...	34 24.35	...	11 48.0	m
57 Anon.						9	...	34 24.47	...	11 48.6	m
Nov. 16	10.0	1 24 2.27	5	90 5 55.3	m	28	...	34 24.48	...	11 50.4	m
62 Lacaille 503.						63 Lacaille 507.					
						Dec. 12	7.9	1 35 45.40	4	151 41 11	m
						Nov. 4	6.7	1 37 10.00	4	151 28 14.2	m

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		h.	m.	s.		°	'	"	
64	<i>Anon.</i>								
Oct. 7	9.0	1	38	35.54	4	152	2	36.6	M
65	<i>Lacaille 516.</i>								
Dec. 8	7.1	1	40	0.38	3	151	41	50.0	M
66	<i>Taylor 590.</i>								
Oct. 31	—	1	41	26.60	...	86	59	23.3	M
67	<i>Anon.</i>								
Nov. 17	9.3	1	41	59.38	6	130	14	57.3	M
28	9.2		41	59.49	...		14	55.5	M
68	<i>V Piscium Var. 5.</i>								
Oct. 24	10.3	1	47	10.43	2	81	52	50.0	M
69	<i>6 Arietis β</i>								
Nov. 4	...	1	47	11.20	...	60	51	14.2	M
10	...		47	11.25	...		51	13.5	M
27	...		47	11.17	5		51	13.8	M
Dec. 5	...		47	11.23	...		51	13.1	M
7	...		47	11.25	2		51	13.5	M
12	...		47	11.18	...		51	12.6	M
14	...		47	11.25	.		51	13.2	M
26	...		47	11.15	.		51	14.5	M
70	<i>Lacaille 582.</i>								
Oct. 7	8.0	1	50	56.77	5	145	44	4.3	M
Nov. 28	7.9		50	56.84	5		44	3.8	M
Dec. 13	7.1		50	56.86	...		44	4.3	M
71	<i>Lacaille 593.</i>								
Oct. 27	8.2	1	52	4.49	.	149	7	55.1	M
Nov. 15	8.5		52	4.61	5		7	55.3	M
Dec. 9	7.9		52	4.82	5		7	55.2	M
72	<i>Anon.</i>								
Nov. 15	8.1	1	51	55.60	.	130	55	21.3	M
73	<i>Taylor 673.</i>								
Nov. 13	6.7	1	56	19.74	...	72	23	50.4	M
Dec. 8	6.4		56	18.51	...		23	49.3	M
11	6.2		56	18.58	...		23	50.3	M
74	<i>Anon.</i>								
Oct. 24	9.7	1	50	25.62	5	150	2	15.7	M
75	<i>13 Arietis α</i>								
Nov. 4	...	1	50	34.07	...	67	10	42.1	M
10	...		50	34.09	...		10	42.3	M
14	...		50	34.20	...		10	42.1	M
16	...		50	34.05	...		10	49.9	M
27	...		50	34.08	...		10	49.5	M
28	...		50	34.01	...		10	41.3	M
Dec. 5	...		50	33.98	...		10	41.0	M
12	...		50	34.08	...		10	49.1	M
13	...		50	34.09	...		10	39.7	M
25	...		50	34.11	4		10	41.1	M
30	...		50	34.09	...		10	39.5	M
76	<i>Lacaille 630.</i>								
Oct. 26	7.2	1	50	50.95	...	145	31	43.0	M
Nov. 11	6.8		50	50.82	...		31	43.2	M
15	6.7		50	50.85	...		31	43.3	M
77	<i>Anon.</i>								
Oct. 27	9.3	2	1	5.29	5	149	48	46.2	M
78	<i>Taylor 697.</i>								
Oct. 7	7.0	2	1	47.94	...	145	43	42.1	M
79	<i>65 Ceti ξ¹</i>								
Oct. 5	—	2	5	30.77	—	81	47	17.5	M
6	—		5	30.73	—		47	18.8	M
Nov. 20	—		5	30.86	—		47	17.8	M
30	—		5	30.80	—		47	17.9	M

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No of Wires.	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No of Wires.	Mean Polar Distance 1865. ° ' "	Observer.
80	<i>Lacaille 677.</i>					87	<i>Anon.</i>				
Oct. 7	7.9	2 6 57.80	5	149 47 20.4	M	Dec. 1	8.9	2 20 12.60	...	146 32 26.1	M
27	8.0	6 57.60	4	47 19.0	M						
Nov. 10	7.9	6 57.66	...	47 18.4	M						
81	<i>Anon.</i>					88	<i>73 Ceti 5³</i>				
Nov. 15	9.2	2 7 0.77	...	148 39 13.8	M	Jan. 6	...	2 20 59.00	...	82 8 48.9	M
28	9.7	7 0.91	...	39 13.8	M	Oct. 5	...	20 58.98	...	8 40.8	M
						6	...	20 58.90	...	8 48.3	M
						Nov. 3	...	20 59.12	...	8 48.5	M
						27	...	20 58.90	...	8 48.2	M
						29	...	20 59.00	...	8 49.2	M
						30	...	20 59.06	...	8 48.7	M
						Dec. 19	...	20 59.02	...	8 49.6	M
						20	...	20 58.96	5	8 49.7	M
						25	...	20 59.02	...	8 49.5	M
						30	...	20 58.94	...	8 48.8	M
82	<i>Taylor 754.</i>					89	<i>λ Horologii</i>				
Nov. 13	8.7	2 9 13.60	...	147 58 36.3	M	Dec. 8	6.1	2 21 7.71	...	150 55 4.6	M
Dec. 5	8.3	9 13.87	4	58 37.1	M	11	6.0	21 7.98	5	55 5.4	M
13	8.0	9 13.81	...	58 37.3	M						
83	<i>67 Ceti.</i>					90	<i>Anon.</i>				
Jan. 6	...	2 10 15.03	...	97 2 45.1	M	Nov. 23 ¹	9.2	2 24 16.73	5	152 35 21.9	M
Nov. 4	...	10 14.99	...	2 47.2	M						
16	...	10 15.01	...	2 45.7	M						
27	...	10 15.03	...	2 46.0	M						
Dec. 1	...	10 15.01	...	2 46.3	M						
7	...	10 14.88	...	2 41.8	M						
8	...	10 15.04	...	2 45.7	M						
9	...	10 15.09	...	2 46.1	M						
12	...	10 14.98	...	2 47.1	M						
14	...	10 15.03	...	2 48.0	M						
20	...	10 15.03	3	2 46.7	M						
30	...	10 15.07	...	2 45.2	M						
84	<i>Anon.</i>					91	<i>Anon.</i>				
Oct. 27	9.3	2 13 59.83	...	145 26 39.3	M	Dec. 12	8.4	2 21 29.06	...	147 2 24.6	M
28	9.7	14 0.16	...	26 40.7	M	13	8.0	24 30.68	...	2 29.6	M
Nov. 28	9.4	14 0.10	...	26 40.9	M	14	8.1	24 30.65	...	2 29.9	M
85	<i>Anon.</i>					92	<i>Lacaille 782.</i>				
Nov. 15	7.8	2 16 25.28	...	151 18 7.1	M	Nov. 15	7.0	2 26 11.71	...	148 24 39.4	M
						Dec. 5	7.0	26 14.96	...	24 30.9	M
86	<i>Taylor 818.</i>					93	<i>Anon.</i>				
Oct. 7	8.1	2 19 10.07	...	147 25 41.1	M	Dec. 16	9.8	2 29 12.85	5	147 37 13.9	M
Dec. 5	7.8	19 10.01	...	25 43.0	M						
						94	<i>Anon.</i>				
						Nov. 17	10.1	2 29 15.10	...	85 0 30.7	M
						27	10.3	29 15.26	2	0 18.9	M
						Dec. 15	10.1	29 15.29	4	0 19.9	M

Separate Results of Madras Meridian Circle Observations in 1865.

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		A.	m.	s.		°	'	"	
95 <i>W. B. N. II 556.</i>									
Nov. 11	8.8	2	33	13.47	...	74	53	43.7	m
Dec. 8	8.0		33	13.53	...		53	42.5	m
11	7.9		33	13.59	...		53	43.4	m
96 <i>Anon.</i>									
Dec. 13	8.8	2	34	2.15	3	74	56	17.2	m
97 <i>Lacaille 849 (2nd).</i>									
Jan. 7	8.2	2	36	7.18	...	150	8	58.7	m
Dec. 5	7.9		36	7.15	...		8	59.1	m
12	7.9		36	7.11	...		8	59.5	m
19	8.0		36	7.11	6		9	0.1	m
98 <i>86 Ceti γ</i>									
Nov. 23	...	2	36	18.47	...	87	20	8.1	m
Dec. 2	...		36	18.36	...		20	7.9	m
14	...		36	18.45	5		20	7.3	m
15	...		36	18.51	...		20	8.1	m
16	...		36	18.51	...		20	6.7	m
19	...		36	18.41	...		20	7.1	m
20	...		36	18.30	...		20	7.8	m
21	...		36	18.43	...		20	8.1	m
22	...		36	18.40	...		20	7.9	m
99 <i>Lacaille 863.</i>									
Nov. 15	8.0	2	38	34.50	...	147	12	55.3	m
100 <i>W. B. N. II 676.</i>									
Dec. 1	7.9	2	40	11.43	...	75	20	8.4	m
101 <i>Anon.</i>									
Nov. 4	8.0	2	43	19.61	5	143	0	22.9	m
102 <i>W. B. N. II 733.</i>									
Jan. 4	9.3	2	43	22.30	2	76	1	57.2	m
Dec. 8	9.0		43	22.42	...		1	57.2	m
13	8.2		43	22.23	...		1	56.4	m
103 <i>Anon.</i>									
Dec. 15	9.2	2	41	30.97	...	146	13	37.2	m
104 <i>Anon.</i>									
Dec. 18	9.8	2	45	18.82	..	76	27	40.0	m
105 <i>Taylor 969.</i>									
Dec. 16	7.2	2	45	40.82	...	74	4	13.0	m
106 <i>Rumker 87.</i>									
Jan. 7	6.0	2	46	2.26	...	153	22	8.0	m
Nov. 13	6.0		46	2.09	...		22	5.0	m
Dec. 5	5.9		46	2.16	5		22	6.1	m
12	5.9		46	2.25	...		22	4.9	m
107 <i>Lalande 5380.</i>									
Oct. 6	8.0	2	47	45.27	...	74	14	25.2	m
Nov. 15	8.0		47	45.45	...		14	20.1	m
Dec. 11	7.9		47	45.56	...		14	25.7	m
108 <i>Lacaille 941.</i>									
Nov. 14	6.8	2	50	28.11	...	146	25	52.4	m
Dec. 14	6.5		50	28.35	...		25	51.8	m
109 <i>Anon.</i>									
Jan. 9	9.0	2	52	23.47	...	150	16	54.8	m
110 <i>Anon.</i>									
Dec. 13	8.5	2	53	17.19	5	146	41	15.0	m
111 <i>92 Ceti α, Menkar.</i>									
Nov. 17	...	2	53	13.43	6	86	26	32.7	m
Dec. 13	...		53	13.44	...		26	32.8	m
16	...		53	13.44	...		26	33.0	m
19	...		53	13.43	...		26	30.9	m
19	...		53	13.43	...		26	32.4	m
20	...		53	13.47	4		26	32.6	m
22	...		53	13.50	...		26	33.5	m

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112	<i>25 Persei ρ Var. 2</i>					120	<i>Anon.</i>				
Jan. 10	...	2 56 32.14	1	51 41 7.6	M	Nov. 16	9.0	3 12 25.72	...	130 57 54.6	N
Nov. 28	...	56 31.97	...	41 10.1	N	Dec. 15	8.3	12 25.80	...	57 50.2	N
113	<i>Taylor 1037.</i>					121	<i>Anon.</i>				
Dec. 5	8.3	2 56 55.45	5	150 21 21.2	M	Dec. 13	8.5	3 12 43.38	...	130 50 3.9	M
114	<i>Taylor 1047.</i>					122	<i>33 Persei α</i>				
Jan. 7	6.5	2 59 53.15	...	151 19 38.1	M	Dec. 16	...	3 14 41.76	...	40 37 21.6	N
115	<i>Taylor 1057.</i>					123	<i>5^h Reticule.</i>				
Nov. 4	7.0	3 0 47.82	...	151 22 6.7	M	Jan. 4	6.0	3 15 17.57	3	153 1 24.7	M
Dec. 12	7.0	0 47.82	5	22 6.7	M	124	<i>Anon.</i>				
116	<i>R. P. L. 33.</i>					Dec. 18	8.9	3 20 35.98	5	149 23 18.9	N
Dec. 11	...	3 0 55.05	5	5 34 37.7	M	125	<i>Anon.</i>				
21	...	0 54.70	5	34 37.0	N	Dec. 16	9.7	3 20 43.35	4	51 47 36.6	N
<i>R. P. L. 33—s.p.</i>						126	<i>R. P. L. 34.</i>				
June 19	...	3 0 54.71	3	5 34 38.9	N	Dec. 21	...	3 22 34.43	5	3 47 12.9	N
117	<i>57 Arietis δ</i>					127	<i>5 Tauri f</i>				
Oct. 6	...	3 3 51.75	...	70 47 10.8	M	Jan. 6	...	3 23 25.23	...	77 31 42.9	M
Nov. 30	...	3 51.75	...	47 11.9	M	7	...	23 25.41	...	31 43.0	M
Dec. 1	...	3 51.75	...	47 14.5	M	Oct. 6	...	23 25.36	...	31 42.7	M
8	...	3 51.81	...	47 11.9	M	7	...	23 25.41	...	31 42.6	M
13	...	3 51.86	...	47 11.1	M	128	<i>Anon.</i>				
15	...	3 51.71	...	47 12.4	N	Nov. 16	9.2	3 25 58.06	...	87 53 4.6	N
16	...	3 51.64	...	47 12.4	N	28	10.0	25 58.18	5	53 4.1	N
18	...	3 51.77	...	47 12.1	N	Dec. 15	9.0	25 57.97	...	53 5.3	M
118	<i>Lacaille 1007.</i>					129	<i>Lacaille 1143.</i>				
Jan. 9	7.5	3 4 49.30	...	152 14 14.2	M	Nov. 29	6.0	3 27 1.78	...	153 24 53.4	N
Dec. 14	7.0	4 49.53	...	11 15.2	M	Dec. 14	5.9	27 2.13	...	24 53.5	M
119	<i>Taylor 1127.</i>										
Jan. 11	8.1	3 11 49.64	4	131 46 6.7	M						
Dec. 11	7.9	11 49.57	2	40 7.9	M						
12	7.4	11 49.83	...	46 6.1	M						
18	8.3	11 49.48	5	46 8.4	N						

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.	No. of Wires	Mean Polar Distance 1865.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.	No. of Wires	Mean Polar Distance 1865.	Observer.
130	<i>Lacaille 1150.</i>					139	<i>34 Eridani γ^1</i>				
Nov. 11	8.9	3 28 28.71	...	152 28 5.0	M	Jan. 4	...	3 51 43.86	...	103 53 42.9	M
17	8.8	28 28.74	3	28 6.1	M	6	...	51 43.81	...	53 41.9	M
Dec. 16	7.0	28 28.53	5	28 5.8	R	7	...	51 43.91	...	53 41.7	M
						9	...	51 43.87	...	53 42.5	M
						Dec. 15	...	51 43.88	...	53 42.8	M
						21	...	51 43.89	...	53 43.0	M
131	<i>Lacaille 1159.</i>					140	<i>35 Tauri λ Var. 1.</i>				
Jan. 4	6.8	3 30 17.65	3	151 23 24.5	M	Nov. 4	5.9	3 53 12.17	...	77 53 38.4	M
132	<i>Taylor 1256.</i>					141	<i>Anon.</i>				
Jan. 9	8.0	3 35 23.31	...	150 13 6.9	M	Nov. 27	8.0	3 53 41.84	5	143 8 14.5	R
133	<i>Anon.</i>					142	<i>Lacaille 1327.</i>				
Dec. 16	9.7	3 35 52.33	5	152 26 14.7	R	Dec. 2	...	3 54 19.59	5	153 51 22.3	M
134	<i>Anon.</i>					143	<i>R. P. L. 35.</i>				
Nov. 16	9.0	3 38 7.32	...	136 12 41.3	R	Jan. 10	...	3 55 10.90	3	4 48 21.4	M
135	<i>Anon.</i>					144	<i>Lacaille 1347.</i>				
Dec. 18	...	3 39 23.80	...	66 30 23.2	R	Jan. 11	8.0	3 58 8.18	...	149 2 25.5	M
						Dec. 13	7.1	58 8.04	...	2 26.9	M
136	<i>25 Tauri γ, Alcyone.</i>					145	<i>Lalande 7764.</i>				
Jan. 6	...	3 39 27.78	...	66 18 55.3	M	Jan. 6	8.2	4 3 31.54	...	74 43 43.0	M
Dec. 8	...	39 27.81	...	18 56.5	M	Dec. 1	7.9	3 31.20	...	43 43.2	M
16	...	39 27.81	5	18 56.7	R	12	8.0	3 31.56	...	43 42.2	M
21	...	39 27.70	...	18 56.5	R						
137	<i>Taylor 1318.</i>					146	<i>Anon.</i>				
Jan. 4	5.9	3 42 30.85	3	155 14 2.4	M	Jan. 11	9.2	4 5 1.35	4	150 5 21.9	M
10	5.9	42 31.20	4	14 1.1	M						
Nov. 17	...	42 31.05	...	14 58.5	R						
138	<i>Anon.</i>					147	<i>38 Eridani ϕ^1</i>				
Jan. 11	8.7	3 46 33.79	...	149 31 28.3	M	Jan. 4	...	3 5 16.63	...	97 11 33.0	M
Nov. 27	8.8	46 33.96	...	33 29.8	R	7	...	5 16.38	...	11 32.3	M
						9	...	5 16.67	...	11 33.1	M
						Dec. 9	...	5 16.50	...	11 33.1	M
						13	...	5 16.57	...	11 32.3	M
						14	...	5 16.41	...	11 32.4	M
						18	...	5 16.54	...	11 32.8	M

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Number and Date	Magnitude.	Mean Right Ascension 1865.	No of Wires	Mean Polar Distance 1865.	Observer	Number and Date.	Magnitude.	Mean Right Ascension 1865.	No. of Wires	Mean Polar Distance 1865.	Observer
148	<i>Anon.</i>					156	<i>Lacaille 1519.</i>				
Jan. 10	8.3	4 9 48.62	...	129 13 43.6	M	Jan. 17	7.3	4 25 35.08	3	133 5 59.7	N
149	<i>U Tauri Var. 7.</i>					157	<i>87 Tauri α, Aldebaran.</i>				
Jan. 17	9.8	4 13 57.17	5	70 30 30.1	N	Jan. 7	...	4 28 10.57	...	75 45 55.7	M
150	<i>T Tauri Var. 6.</i>					10	...	28 10.70	...	45 56.0	M
Jan. 18	10.5	4 14 7.73	2	70 47 23.8	N	19	...	28 10.62	...	45 56.6	N
19	10.2	14 7.48	3	47 23.0	N	21	...	28 10.54	...	45 55.3	N
151	<i>α Reticuli.</i>					Oct. 7	...	28 10.62	...	45 55.7	M
Jan. 6	5.2	4 14 9.63	5	149 37 42.1	M	Dec. 1	...	28 10.50	...	45 56.4	N
152	<i>Anon.</i>					2	...	28 10.42	...	45 57.8	M
Jan. 23	9.6	4 15 42.03	...	128 39 40.4	M	11	...	28 10.59	...	45 56.5	M
153	<i>74 Tauri α</i>					158	<i>Anon.</i>				
Jan. 4	...	4 20 44.16	...	71 7 21.3	M	Dec. 19	9.3	4 31 44.20	...	142 59 28.9	N
7	...	20 44.13	...	7 20.6	M	159	<i>W. B. N. IV. 626.</i>				
9	...	20 44.05	...	7 20.7	M	Jan. 4	9.0	4 32 30.58	...	66 27 22.7	M
10	...	20 44.19	...	7 21.4	M	6	9.0	32 30.67	...	27 22.5	M
Oct. 7	...	20 44.13	...	7 20.7	M	9	9.0	32 30.53	...	27 22.2	M
Dec. 1	...	20 44.23	5	7 21.1	M	11	9.0	32 30.72	...	27 22.3	M
2	...	20 44.18	...	7 21.9	M	23	9.2	32 30.59	...	27 22.6	N
8	...	20 44.05	...	7 20.5	M	26	9.5	32 30.56	...	27 21.6	N
9	...	20 44.10	...	7 19.8	N	27	8.6	32 30.76	...	27 23.7	N
11	...	20 44.29	...	7 21.6	M	160	<i>W. B. N. IV, 726.</i>				
12	...	20 44.10	...	7 21.6	M	Jan. 18	8.3	4 33 54.64	...	66 13 9.3	N
13	...	20 44.14	...	7 19.8	M	19	8.3	33 54.58	...	15 9.3	N
154	<i>R Tauri Var. 2.</i>					21	...	33 54.65	...	13 9.9	N
Dec. 18	8.3	4 20 53.87	...	80 8 30.1	N	161	<i>94 Tauri γ</i>				
155	<i>Taylor 1582.</i>					Feb. 4	...	4 31 8.77	...	67 18 19.0	M
Jan. 6	6.3	4 23 13.41	5	151 32 44.1	M	Nov. 4	...	31 8.55	...	18 20.3	M
Nov. 4	6.5	23 13.23	...	32 42.5	N	162	<i>Anon.</i>				
						Jan. 17	9.0	4 30 32.34	...	128 57 26.8	N
						Dec. 19	9.8	30 32.48	...	57 29.7	N

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.	No of Wires	Mean Polar Distance 1865.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.	No of Wires	Mean Polar Distance 1865.	Observer.
163	<i>Anon.</i>					174	<i>Anon.</i>				
Jan. 10	9.6	4 49 20.13	...	151 20 50.3	x	Jan. 9	9.6	4 52 41.91	4	150 37 48.8	x
11	9.0	49 20.19	...	21 48.6	x						
164	<i>κ Doradus.</i>					175	<i>R Leporis Var. 1.</i>				
Dec. 13	6.0	4 42 19.46	...	149 58 55.5	x	Jan. 25	8.0	4 53 27.72	...	105 0 42.6	x
165	<i>Lacaille 1629.</i>					176	<i>Taylor 1797.</i>				
Jan. 18	6.7	4 43 43.56	...	153 28 27.8	x	Feb. 6	7.0	4 54 52.10	...	148 16 51.1	x
Dec. 22		43 43.68	...	28 26.6	x						
166	<i>Lacaille 1625.</i>					177	<i>102 Tauri.</i>				
Feb. 6	8.1	4 45 0.52	3	149 1 43.6	x	Feb. 4	...	4 55 1.84	4	68 36 23.2	x
						Nov. 4	...	55 1.00	...	36 23.6	x
167	<i>W. B. N. IV. 995.</i>					178	<i>Lacaille 1697.</i>				
Jan. 4	8.0	4 45 10.20	...	66 3 3.4	x	Jan. 18	8.0	4 56 53.21	6	129 7 7.9	x
168	<i>Anon.</i>					179	<i>Lacaille 1705.</i>				
Dec. 19	9.3	1 45 30.74	...	129 24 53.0	x	Dec. 16	8.0	4 57 27.36	...	129 16 30.1	x
169	<i>Anon.</i>					180	<i>2 Leporis.</i>				
Jan. 7	8.9	4 45 56.29	...	153 2 56.9	x	Jan. 17	...	4 59 44.81	...	112 33 16.7	x
						20	...	59 44.84	...	33 18.3	x
						21	...	59 44.83	...	33 17.8	x
						24	...	59 44.88	...	33 18.0	x
170	<i>W. B. N. IV. 1018.</i>					181	<i>Anon.</i>				
Jan. 6	8.0	4 46 2.19	..	66 13 33.0	x	Jan. 26	8.0	5 0 1.55	...	135 23 49.9	x
171	<i>3 Aurigae.</i>					182	<i>Anon.</i>				
Jan. 21	...	4 48 12.20	...	57 3 5.0	x	Jan. 7	9.3	5 1 45.09	3	151 36 2.9	x
29		48 12.37	..	3 5.5	x	19	9.3	1 45.08	4	39 5.6	x
Dec. 11		48 12.18	3	3 6.8	x						
172	<i>Anon.</i>					183	<i>Lacaille 1739.</i>				
Jan. 23	10.3	4 51 20.60	...	82 8 37.5	x	Jan. 6	8.2	5 2 32.47	...	146 57 48.8	x
173	<i>Anon.</i>					184	<i>Lacaille 1756.</i>				
Jan. 10	9.0	5 52 21.10	...	129 39 47.9	x	Jan. 28	8.0	5 3 30.90	...	151 41 26.6	x
						30	8.7	5 3 30.94	...	41 26.6	x

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.									
		A.	m.	s.		°	'	"				A.	m.	s.		°	'	"										
185 Anon.										196 Anon.																		
Jan. 26	9.5	5	4	36.03	4	135	34	33.6	n	Jan. 21	7.7	5	17	0.10	5	129	38	0.4	n									
186 1757 Lacaille.										27 8.0 16 59.03 ... 37 59.7 n																		
Jan. 9	8.0	5	4	53.29	3	150	4	20.1	m	Dec. 19	8.0	17	0.08	5		37	59.5	n										
187 Anon.										197 112 Tauri β																		
Jan. 31	9.0	5	6	4.10	5	131	45	38.4	n	Jan. 11	...	5	17	45.56	...	61	30	37.6	m									
188 13 Aurigae, α Capella.										17 ... 17 45.51 ... 30 36.7 n																		
Jan. 25	...	5	6	43.14	...	44	8	36.6	n	20 ... 17 45.49 ... 30 35.1 n																		
189 Anon.										Feb. 2 ... 17 45.66 ... 30 36.5 m																		
Jan. 24	8.5	5	6	54.10	...	129	6	0.6	n	Dec. 23	...	17	45.47	...		30	35.6	n										
190 19 Orionis β, Rigel.										198 Taylor 1984.																		
Jan. 21	...	5	8	3.08	5	98	21	38.0	n	Feb. 6	7.3	5	18	51.97	...	159	54	47.7	m									
Dec. 11	...		8	3.06	...		21	37.8	m	199 Anon.																		
191 Anon.										Jan. 10										8.9	5	19	5.64	3	148	14	16.5	m
Jan. 18	9.3	5	12	53.86	...	129	40	2.5	n	200 114 Tauri α																		
24	9.0		12	53.66	5		40	8.3	n	Jan. 9	...	5	19	31.67	...	65	10	56.0	m									
Dec. 19	9.4		12	53.71	5		40	8.9	n	201 Anon.																		
192 Anon.										Jan. 26										7.5	5	21	40.52	5	137	12	50.4	n
Jan. 26	9.2	5	12	57.20	5	137	4	42.5	n	202 Anon.																		
30	9.2		12	57.25	...		4	43.9	n	Jan. 28	7.7	5	23	30.56	...	151	13	22.3	m									
Feb. 3	8.9		12	57.72	3		4	41.8	m	30	8.0		23	30.64	...		13	24.0	n									
193 Anon.										203 34 Orionis δ Var 1.																		
Jan. 28	8.1	5	13	26.14	5	153	41	37.4	m	Jan. 17	...	5	25	6.57	...	90	24	7.9	n									
194 Anon.										18 ... 25 6.73 ... 21 8.9 n																		
Jan. 19	9.0	5	14	50.53	...	153	30	18.7	n	204 Anon.																		
195 Anon.										Jan. 19										8.9	5	25	13.65	...	130	35	20.4	n
Jan. 31	9.5	5	10	8.48	...	131	43	16.8	n	Feb. 4	8.8		25	13.44	5		25	12.8	m									
Feb. 4	8.8		16	8.57	...		48	16.1	m	205 Anon.																		
										Feb. 11										9.0	5	25	33.56	5	155	51	16.4	m

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		h.	m.	s.		°	'	"	
206 11 <i>Leporis</i> α									
Jan. 20	...	5	26	46.57	...	107	55	17.3	R
24	...		26	46.68	...		55	19.0	R
27	...		26	46.60	5		55	17.1	R
31	...		26	46.73	5		55	17.8	R
Feb. 2	...		26	46.58	...		55	19.1	R
207 46 <i>Orionis</i> ε									
Jan. 17	...	5	29	21.85	...	91	17	27.6	R
18	...		29	21.97	...		17	29.1	R
23	...		29	21.69	...		17	29.1	R
208 123 <i>Tauri</i> ζ									
Dec. 2	...	5	29	34.61	...	68	56	37.2	M
209 Anon.									
Jan. 26	9.5	5	29	47.16	5	135	22	0.6	R
Feb. 6	9.6		29	47.12	...		22	0.6	M
210 Anon.									
Jan. 19	8.8	5	31	39.92	...	123	42	14.7	R
211 Lacaille 1949.									
Jan. 25	6.1	5	33	13.77	...	154	19	2.7	M
212 Anon.									
Dec. 22	...	5	33	43.66	5	150	11	33.6	R
213 Anon.									
Jan. 19	9.1	5	32	44.01	4	123	41	15.5	R
214 Anon.									
Jan. 20	8.9	5	34	20.92	...	162	7	57.7	R
Feb. 5	8.7		34	20.91	...		7	56.9	M
215 α <i>Columbae</i> .									
Jan. 12	...	5	34	45.72	...	124	8	53.4	M
18	...		34	45.82	...		8	54.4	R
24	...		34	45.63	...		8	54.7	R
27	...		34	45.69	...		8	54.3	R
31	...		34	45.77	...		8	53.4	R
Feb. 3	...		34	45.73	...		8	53.3	M
9	...		34	45.60	...		8	52.8	M
10	...		34	45.74	3		8	53.6	M
216 Lacaille 1971.									
Feb. 13	7.8	5	36	22.25	...	149	11	30.2	M
217 Anon.									
Jan. 26	8.7	5	36	30.33	...	135	43	30.4	R
Feb. 4	7.9		36	30.17	...		43	37.9	M
218 Anon.									
Jan. 26	9.1	5	30	55.07	5	135	43	6.2	R
219 Lacaille 2010.									
Jan. 28	7.7	5	42	2.13	...	145	53	20.0	M
220 Anon.									
Jan. 19	8.5	5	43	26.71	5	130	6	55.3	R
23	9.2		43	26.74	...		6	55.6	R
24	9.3		43	26.71	...		6	56.4	R
221 Taylor 2184.									
Jan. 7	9.3	5	43	35.00	...	130	43	22.3	M
222 Anon.									
Jan. 30	9.3	5	41	45.16	...	137	10	18.3	R
223 54 <i>Orionis</i> χ ¹									
Feb. 6	...	5	46	23.44	...	99	43	8.5	M
Dec. 2	...		46	23.30	...		43	11.7	M

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Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
A.	m.	s.							
224 <i>Anon.</i>									
Jan. 20	9.0	5	47	3.18	...	135	43	50.2	n
225 <i>α Orionis Var. 2, Betelgeux.</i>									
Jan. 11	...	5	47	51.82	...	82	37	16.4	m
18	...		47	51.82	...		37	17.5	n
19	...		47	51.78	...		37	17.7	n
25	...		47	51.87	...		37	18.2	n
27	...		47	51.90	...		37	17.2	n
Feb. 2	...		47	51.83	...		37	16.7	m
3	...		47	51.87	...		37	16.2	m
9	...		47	51.83	...		37	15.7	m
10	...		47	51.86	...		37	17.5	m
226 <i>Anon.</i>									
Jan. 26	8.9	5	49	55.35	5	135	43	7.9	n
227 <i>Anon.</i>									
Jan. 30	9.8	5	50	15.60	5	137	10	18.5	n
228 <i>Lacaille 2073.</i>									
Feb. 14	7.9	5	50	32.11	...	137	12	38.1	m
229 <i>Anon.</i>									
Jan. 21	9.5	5	50	58.84	...	130	43	1.7	n
28	9.6		50	58.69	...		43	1.3	m
230 <i>R. P. L. 43.</i>									
Feb. 8	..	5	52	27.08	3	3	14	20.0	m
231 <i>Anon.</i>									
Jan. 23	8.8	5	53	3.51	5	130	24	57.4	n
232 <i>Lacaille 2104.</i>									
Jan. 19	7.0	5	54	22.74	5	143	26	23.9	n

Number and Date.	Magnitude.	Mean Right Ascension. 1865.			No. of Wires	Mean Polar Distance. 1865.			Observer.
A.	m.	s.							
233 <i>Anon.</i>									
Jan. 30	9.3	5	54	36.42	...	137	45	14.8	n
Feb. 4	9.6		54	36.25	...		45	15.7	m
234 <i>Anon.</i>									
Jan. 10	9.2	5	56	11.53	...	129	57	14.2	m
235 <i>Anon.</i>									
Jan. 26	9.3	5	57	1.11	5	136	1	0.9	n
236 <i>67 Orionis v.</i>									
Jan. 11	...	5	59	51.82	...	75	13	8.1	m
19	...		59	51.87	...		13	8.4	n
23	...		59	51.92	...		13	7.6	n
24	...		59	51.87	...		13	8.3	n
25	...		59	51.83	...		13	8.0	n
28	...		59	51.86	...		13	9.2	m
Feb. 3	...		59	51.90	...		13	7.5	m
6	...		59	51.77	...		13	7.3	m
9	...		59	51.89	...		13	6.9	m
237 <i>Anon.</i>									
Jan. 30	7.7	6	0	52.53	...	137	28	33.9	n
Feb. 14	7.8		0	52.69	...		28	33.9	m
238 <i>Lalande 11732.</i>									
Dec. 22	8.2	6	3	26.03	...	77	58	55.9	n
239 <i>Anon.</i>									
Feb. 10	9.0	6	4	1.12	...	150	5	28.2	m
240 <i>Anon.</i>									
Jan. 26	8.0	6	4	35.21	5	136	49	40.8	n
Feb. 8	8.2		4	35.43	...		49	40.3	m
241 <i>Anon.</i>									
Dec. 21	9.0	6	5	40.00	...	77	51	20.5	n

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
242 <i>7 Geminorum η Var. 6.</i>																			
Jan. 9	...	6	6	43.72	...	67	27	28.9	M	Dec. 21	7.2	6	15	174	...	77	22	3.1	N
10	...	6	6	43.86	...		27	29.1	M										
243 <i>Anon.</i>																			
Feb. 19	9.2	6	7	28.21	5	151	18	25.3	N										
244 <i>Anon.</i>																			
Jan. 30	9.0	6	7	42.21	...	137	6	25.3	N										
Feb. 1	9.2	7	7	42.03	...		6	22.7	M										
245 <i>Anon.</i>																			
Feb. 17	9.2	6	8	35.15	...	155	4	30.0	N										
246 <i>Anon.</i>																			
Jan. 24	9.2	6	8	55.14	...	130	31	35.5	N										
25	9.3	8	8	55.19	...		31	35.1	N										
247 <i>Anon.</i>																			
Jan. 28	9.4	6	11	43.80	...	152	1	50.0	N										
248 <i>Anon.</i>																			
Jan. 20	9.2	6	12	3.86	5	136	50	49.6	N										
Feb. 14	9.2	12	12	3.49	...		50	50.2	M										
249 <i>Lalande 12120.</i>																			
Dec. 18	7.2	6	14	8.91	...	77	4	47.7	N										
22	...	14	14	8.98	...		4	49.9	N										
250 <i>13 Geminorum μ.</i>																			
Jan. 9	...	6	14	47.54	...	67	25	15.5	M										
10	...		14	47.60	...		25	15.6	M										
23	...		14	47.55	...		25	15.2	N										
26	...		14	47.65	..		25	16.7	N										
30	...		14	47.53	...		25	15.4	N										
Feb. 9	...		14	47.67	..		25	14.4	M										
251 <i>Lalande 12155.</i>																			
Dec. 21	7.2	6	15	174	...	77	22	3.1	N										
252 <i>Lacaille 2273.</i>																			
Jan. 7	7.9	6	17	3.26	5	153	58	25.3	N										
253 <i>Anon.</i>																			
Feb. 10	8.9	6	18	33.26	...	151	28	29.2	M										
17	9.0	18	18	33.25	..		28	27.9	N										
254 <i>Taylor 2485.</i>																			
Feb. 8	7.0	6	18	34.26	...	151	16	10.4	M										
18	7.5	18	18	34.20	4		16	12.0	N										
255 <i>Lacaille 2286.</i>																			
Feb. 20	7.0	6	18	48.58	...	153	45	45.3	N										
256 <i>Anon.</i>																			
Feb. 3	8.8	6	19	43.65	...	65	39	55.1	M										
4	8.8	19	19	43.53	...		39	54.5	M										
257 <i>α Argus, Canopus.</i>																			
Jan. 30	...	6	20	57.41	...	142	37	23.6	N										
258 <i>Anon.</i>																			
Jan. 13	7.2	6	21	19.96	...	128	51	32.4	N										
Feb. 15	7.2		21	20.10	...		51	32.7	N										
259 <i>Lacaille 2312</i>																			
Feb. 14	6.8	6	23	9.61	...	153	36	37.7	N										
260 <i>Lacaille 2321.</i>																			
Mar. 1	7.4	6	23	29.97	5	153	20	49.7	N										
261 <i>Lacaille 2348.</i>																			
Mar. 3	7.7	6	26	32.44	...	152	3	45.6	M										
4	7.8	26	26	32.38	-		3	45.3	M										

Separate Results of Mulras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.		No. of Wires	Mean Polar Distance 1865.		Observer.
		A.	M.	S.	°	'	"
262	<i>Anon.</i>						
Jan. 13	9.0	6	27	30.33	...	128	46 0.9 n
Mar. 3	9.0		27	30.49	...	45	0.5 n
263	<i>Anon.</i>						
Feb. 20	8.1	6	28	39.98	...	151	10 2.6 n
264	<i>Anon.</i>						
Jan. 24	9.2	6	28	40.50	5	130	32 12.6 n
Feb. 17	8.9		28	40.33	...	32	11.3 n
265	<i>Taylor 2589.</i>						
Feb. 8	6.9	6	29	50.29	5	151	46 52.0 n
18	6.8		29	50.10	...	46	51.3 n
266	<i>24 Geminorum γ</i>						
Jan. 26	...	6	29	54.78	...	73	29 22.0 n
28	...		29	54.74	...	29	21.3 n
30	...		29	54.77	...	29	19.8 n
31	...		29	54.73	...	29	21.6 n
Feb. 6	...		29	54.82	...	29	23.5 n
267	<i>Anon.</i>						
Feb. 23	8.3	6	31	28.75	...	130	56 45.1 n
268	<i>Anon.</i>						
Feb. 10	8.9	6	33	33.43	...	152	27 8.4 n
269	<i>Anon.</i>						
Jan. 24	9.1	6	35	49.36	...	130	38 8.1 n
Feb. 14	9.0		35	49.42	...	38	6.9 n
270	<i>Anon.</i>						
Jan. 18	10.3	6	36	0.34	4	62	5 40.9 n
19	10.3		36	0.23	4		5 31.3 n
271	<i>51 (Hev.) Cephei.</i>						
Jan. 17	...	6	36	9.37	2	2	45 20.0 n
21	...		36	8.77	2		45 22.3 n
27	...		36	9.35	3		45 22.3 n
Feb. 16	...		36	9.20	5		45 22.3 n
22	...		36	8.33	3		45 20.9 n
	<i>51 (Hev.) Cephei, s.p.</i>						
Aug. 11	...	6	36	8.94	4	2	45 20.7 n
Sep. 1	...		36	9.43	3		45 18.6 n
272	<i>Anon.</i>						
Mar. 3	8.9	6	36	15.14	...	130	21 3.4 n
273	<i>Taylor 2652.</i>						
Feb. 15	6.8	6	36	33.84	...	151	24 55.3 n
274	<i>31 Geminorum ξ</i>						
Feb. 6	...	6	37	42.66	...	76	57 43.6 n
275	<i>Anon.</i>						
Feb. 17	9.5	6	37	53.73	...	153	20 30.7 n
276	<i>Lacaille 2451.</i>						
Mar. 4	8.3	6	38	11.15	...	155	57 46.4 n
277	<i>Taylor 2667.</i>						
Jan. 31	8.3	6	38	23.73	5	149	50 44.7 n
278	<i>Anon.</i>						
Jan. 13	9.5	6	39	9.43	...	131	3 30.3 n
279	<i>9 Canis Majoris α, Sirius.</i>						
Feb. 3	...	6	39	11.81	...	106	32 1.3 n
23	...		39	11.75	...		32 1.7 n

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.
Feb. 8	...	6 57 39.10	5	105 26 10.8	M	300 <i>Taylor 2923.</i>					
10	...	57 39.02	...	26 10.9	M	Feb. 21	8.0	7 7 17.23	...	150 21 26.4	R
14	...	57 39.14	...	26 10.3	M	Mar. 11	8.2	7 17.35	...	21 25.2	M
16	...	57 39.10	...	26 10.4	R	310 <i>Anon.</i>					
17	...	57 39.08	...	26 12.1	R	Feb. 20	8.0	7 8 0.40	...	143 46 7.9	R
300 <i>Taylor 2840.</i>						311 <i>Anon.</i>					
Jan. 6	7.9	6 59 3.58	...	105 56 56.4	M	Feb. 10	9.0	7 8 10.02	...	152 5 8.2	M
Feb. 21	8.0	59 3.55	...	56 55.7	R	312 <i>Anon.</i>					
Mar. 3	8.0	59 3.70	...	56 56.8	M	Feb. 25	9.0	7 8 55.78	...	130 17 24.3	R
301 <i>R Geminorum Var. 2.</i>						313 <i>Lacaille 2696.</i>					
Jan. 23	8.8	6 59 13.31	5	67 6 31.8	R	Feb. 17	7.8	7 9 23.61	...	140 58 58.3	R
302 <i>Anon.</i>						314 <i>Taylor 2940.</i>					
Mar. 10	7.5	7 1 1.56	5	140 10 0.8	M	Feb. 18	7.7	7 9 30.23	...	129 57 48.7	R
303 <i>R Canis Minoris Var. 1.</i>						23	7.5	9 30.24	...	57 49.4	R
Feb. 20	9.7	7 1 17.19	6	79 45 56.6	R	315 <i>Anon.</i>					
304 <i>Anon.</i>						Feb. 28	9.5	7 9 48.13	4	100 18 38.9	M
Feb. 22	8.8	7 1 31.44	6	129 39 17.6	R	316 <i>55 Geminorum δ</i>					
305 <i>Anon.</i>						Jan. 10	4	7 12 3.30	4	67 46 22.3	M
Feb. 15	9.0	7 2 55.83	5	141 24 10.6	M	11	...	12 3.51	...	46 21.8	M
18	9.2	2 55.78	...	24 11.0	R	13	...	12 3.38	...	46 21.3	R
306 <i>Anon.</i>						28	...	12 3.51	...	46 23.3	M
Feb. 25	8.7	7 3 25.79	...	130 14 36.4	R	30	...	12 3.52	...	46 21.7	R
Mar. 1	8.6	3 25.65	...	14 36.0	M	Feb. 2	...	12 3.42	...	46 21.5	M
307 <i>Anon.</i>						6	...	12 3.56	...	46 21.6	M
Mar. 4	9.4	7 5 2.70	...	153 52 14.5	M	8	...	12 3.43	...	46 21.1	M
308 <i>Lacaille 2678.</i>						14	...	12 3.49	...	46 20.7	M
Jan. 13	9.0	7 6 11.70	5	148 9 21.2	R	15	...	12 3.38	...	46 20.7	M
317 <i>Anon.</i>						16	...	12 3.46	...	46 21.5	R
Mar. 3	8.3	7 12 36.00	...	152 48 2.1	M						

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.
318	<i>Taylor 8005.</i>					329	<i>Anon.</i>				
Feb. 20	7.7	7 15 29.99	...	149 1 0.0	n	Feb. 22	8.0	7 23 55.73	...	129 10 12.3	n
319	<i>R. P. L. 45</i>					330	<i>Anon.</i>				
Mar. 2	...	7 16 32.78	2	0 59 11.6	m	Mar. 3	9.4	7 24 9.78	...	152 47 21.6	m
320	<i>Lacaille 2805.</i>					331	<i>Anon.</i>				
Jan. 21	9.0	7 17 22.15	3	133 8 13.5	n	Jan. 25	9.6	7 24 46.12	5	130 9 38.9	n
321	<i>Anon.</i>					332	<i>Anon.</i>				
Feb. 25	9.3	7 17 38.99	...	120 46 16.1	n	Jan. 17	9.0	7 24 48.87	2	121 6 29.8	n
Mar. 6	9.3	7 17 38.84	...	46 17.7	m	Feb. 3	9.0	7 24 48.77	...	0 27.9	m
322	<i>Anon.</i>					333	<i>Anon.</i>				
Feb. 16	9.8	7 18 49.97	5	69 15 35.1	n	Jan. 21	9.0	7 25 0.77	...	123 8 26.5	n
323	<i>63 Geminorum.</i>					334	<i>S Canis Minoris, Var. 2.</i>				
Mar. 7	5.8	7 19 43.39	...	63 16 55.2	m	Jan. 13	...	7 25 23.51	...	81 23 48.2	n
						19	0.1	7 25 23.54	...	23 49.8	n
324	<i>Anon.</i>					335	<i>Anon.</i>				
Feb. 10	9.0	7 19 50.11	...	152 35 44.7	m	Mar. 9	8.0	7 25 29.00	3	129 18 12.7	m
Mar. 4	9.5	7 19 50.07	...	35 42.4	m						
325	<i>Taylor 3054.</i>					336	<i>66 Geminorum a¹, Castor.</i>				
Jan. 31	7.8	7 20 2.90	...	151 41 35.2	n	Jan. 14	...	7 25 59.00	...	57 49 9.1	m
						Feb. 11	...	25 58.51	...	49 8.0	m
						15	...	25 58.90	...	49 7.9	m
						20	...	25 58.80	...	49 8.6	n
						23	...	25 58.80	...	49 8.6	n
						Mar. 1	...	25 58.82	...	49 10.3	m
326	<i>Anon.</i>					337	<i>Anon.</i>				
Feb. 24	8.0	7 21 36.00	...	131 20 33.5	n	Mar. 6	9.6	7 26 30.32	5	129 45 7.9	m
327	<i>Anon.</i>					338	<i>Anon.</i>				
Feb. 25	8.3	7 23 29.61	...	129 45 24.7	n	Jan. 27	9.2	7 27 14.03	...	153 10 53.4	n
25	8.2	7 23 29.65	...	45 25.4	m						
328	<i>Anon.</i>										
Feb. 18	9.3	7 23 37.00	...	41 0 54.0	n						

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.
339	<i>Anon.</i>					347	<i>S Geminorum Var. 3</i>				
Feb. 25	8.0	7 37 58.21	...	129 42 51.9	n	Jan. 31	10.5	7 34 37.43	5	16 13 30.3	n
						Feb. 17	10.5	34 37.60	4	12 31.3	n
340	<i>Anon.</i>					348	<i>Anon.</i>				
Feb. 21	9.5	7 30 42.43	...	158 42 28.1	n	Feb. 25	8.3	7 35 8.93	...	129 57 59.3	n
						Mar. 6	8.1	35 8.71	5	53 0.1	n
341	<i>Anon.</i>					349	<i>Anon.</i>				
Feb. 22	9.0	7 31 6.87	6	131 10 41.3	n	Mar. 10	8.9	7 35 20.80	...	152 59 43.6	n
Mar. 4	8.9	31 6.84	...	10 44.7	n						
342	<i>Anon.</i>					350	<i>Taylor 3195</i>				
Feb. 28	8.1	7 31 56.62	...	129 44 0.7	n	Mar. 11	8.0	7 36 34.63	...	150 19 13.8	n
Mar. 3	8.8	31 56.34	...	44 1.2	n						
343	<i>10 Canis Minoris α, Procyon.</i>					351	<i>Anon.</i>				
Jan. 12	...	7 32 14.11	...	84 25 35.3	n	Feb. 25	7.3	7 36 46.54	5	129 57 25.5	n
13	...	32 13.95	...	25 55.2	n	Mar. 2	7.7	36 46.26	...	57 26.0	n
14	...	32 14.05	...	25 55.6	n						
Feb. 4	...	32 14.08	...	25 55.4	n	352	<i>78 Geminorum β, Pollux.</i>				
14	...	32 14.07	...	25 54.2	n	Jan. 12	...	7 37 8.06	...	61 30 5.9	n
15	...	32 13.98	...	25 55.5	n	14	...	37 8.06	...	39 4.2	n
16	...	32 13.98	...	25 55.4	n	Feb. 3	...	37 8.04	...	39 3.8	n
18	...	32 14.02	...	25 55.7	n	4	...	37 8.06	...	39 4.5	n
23	...	32 14.11	...	25 58.0	n	15	...	37 8.22	...	39 3.5	n
Mar. 1	...	32 14.10	3	25 56.1	n	18	...	37 8.02	...	39 4.2	n
						23	...	37 8.08	...	39 4.6	n
						24	...	37 8.02	...	39 3.8	n
						Mar. 1	...	37 8.06	...	39 3.4	n
344	<i>Lacaille 2893.</i>					353	<i>Anon.</i>				
Feb. 29	7.0	7 32 45.83	...	121 49 34.5	n	Jan. 21	10.3	7 37 34.89	3	63 29 51.7	n
345	<i>Anon.</i>					354	<i>Anon.</i>				
Jan. 27	9.6	7 33 6.59	4	153 11 46.7	n	Feb. 22	8.5	7 37 35.35	...	130 58 11.8	n
Mar. 9	9.1	33 6.61	...	11 46.7	n						
346	<i>Anon.</i>					355	<i>Anon.</i>				
Jan. 24	10.3	7 34 34.49	4	68 25 7.5	n	Feb. 21	7.7	7 37 48.71	5	129 53 1.6	n
26	10.3	34 34.93	5	25 5.7	n						

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
356 <i>Anon.</i>										368 <i>Anon.</i>									
Mar. 3	7.0	7	39	7.60	...	131	8	46.0	m	Mar. 11	7.1	7	49	30.25	...	152	35	4.5	m
357 <i>Anon.</i>										369 <i>Anon.</i>									
Jan. 13	8.8	7	41	19.39	...	151	34	38.6	m	Feb. 24	8.2	7	49	53.49	...	129	17	31.1	m
Mar. 3	8.7		41	19.15	...		34	39.5	m	370 <i>Anon.</i>									
358 <i>Anon.</i>										Feb. 21	7.7	7	49	56.67	...	149	8	37.3	m
Feb. 28	8.5	7	42	4.81	...	153	4	30.7	m	371 <i>Anon.</i>									
359 <i>Lacaille 3034.</i>										Mar. 3	9.3	7	51	30.78	...	151	37	3.7	m
Feb. 18	8.0	7	44	5.60	...	153	51	48.6	m	372 <i>Anon.</i>									
360 <i>Anon.</i>										Feb. 3	8.0	7	52	1.97	4	148	22	34.7	m
Feb. 22	9.1	7	44	12.05	...	130	56	9.1	m	Mar. 1	8.2		52	2.01	4		22	33.4	m
Mar. 6	8.9		44	11.88	...		56	10.7	m	373 <i>6 Cancri.</i>									
361 <i>Brisbane 1791.</i>										Jan. 14	...	7	55	13.32	...	61	49	49.4	m
Feb. 20	7.8	7	46	19.90	6	144	21	46.4	m	27	...		55	13.33	...		49	51.8	m
362 <i>Anon.</i>										Feb. 18	...		55	13.42	...		49	49.6	m
Feb. 20	9.8	7	46	30.77	6	144	22	35.1	m	23	...		55	13.31	...		49	50.1	m
363 <i>Anon.</i>										25	...		55	13.36	...		49	49.9	m
Mar. 4	8.5	7	47	6.87	...	153	50	55.8	m	28	...		55	13.36	...		49	49.3	m
364 <i>Anon.</i>										Mar. 10	...		55	13.47	...		49	48.0	m
Jan. 19	10.7	7	47	13.22	3	67	43	57.7	m	16	...		55	13.37	...		49	49.3	m
365 <i>Taylor 3310.</i>										374 <i>Brisbane 1855.</i>									
Feb. 28	9.0	7	48	33.67	5	149	19	3.8	m	Mar. 6	6.8	7	53	28.67	...	152	53	37.9	m
366 <i>Anon.</i>										375 <i>Anon.</i>									
Mar. 2	9.6	7	48	44.65	...	129	54	28.5	m	Mar. 7	9.3	7	57	40.44	...	156	54	50.2	m
367 <i>1 Cancri.</i>										376 <i>Lacaille 3154.</i>									
Feb. 8	...	7	49	19.81	...	73	51	7.3	m	Mar. 3	8.5	7	58	37.28	...	153	11	30.5	m
										9	8.7		58	37.73	5		11	30.5	m

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. " " "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. " " "	Observer.
377	<i>Anon.</i>					387	<i>R Cancri Var. 1.</i>				
Jan. 19	10.7	8 0 19.42	3	78 20 59.5	u	Jan. 25	7.5	8 9 7.06	...	77 51 44.3	n
20	10.7	0 18.71	3	20 51.0	n	Feb. 17	7.7	9 7.08	...	51 43.7	n
378	<i>Anon.</i>					388	<i>Anon.</i>				
Mar. 4	8.9	8 1 23.81	...	150 31 32.3	m	Jan. 24	9.2	8 9 27.79	5	74 16 13.5	n
379	<i>Lacaille 3174.</i>					389	<i>W. B. N. VIII. 178.</i>				
Mar. 1	7.9	8 1 26.22	...	155 33 5.5	m	Jan. 24	9.6	8 9 38.75	4	74 16 26.2	n
11	8.0	1 26.20	...	33 6.5	m	390	<i>Anon.</i>				
380	<i>15 Argus.</i>					Mar. 3	9.6	8 10 19.94	...	150 32 49.8	m
Feb. 21	...	8 1 47.67	...	113 55 2.9	n	4	9.1	10 20.01	5	33 49.9	m
24	...	1 47.75	...	55 2.1	n	391	<i>Anon.</i>				
25	...	1 47.81	...	55 2.6	n	Mar. 6	9.3	8 10 27.32	...	151 26 28.7	m
Mar. 10	...	1 47.75	...	55 1.3	m	392	<i>Anon.</i>				
16	...	1 47.76	...	55 2.1	n	Feb. 15	8.9	8 11 23.26	...	152 4 41.0	m
18	...	1 47.60	..	55 2.5	n	24	8.7	11 23.37	5	4 42.9	n
381	<i>Anon.</i>					393	<i>Anon.</i>				
Feb. 23	9.0	8 2 14.12	...	128 39 37.1	n	Mar. 11	8.5	8 13 22.62	...	151 41 24.8	m
382	<i>16 Cancri 3</i>					394	<i>Anon.</i>				
Jan. 11	5.5	8 4 28.08	...	71 56 54.8	m	Mar. 18	9.5	8 14 31.53	3	154 5 17.7	n
12	5.5	4 28.07	...	56 54.4	m	395	<i>Anon.</i>				
383	<i>Anon.</i>					Mar. 9	8.1	8 14 52.01	...	143 17 7.0	m
Mar. 2	9.7	8 4 33.28	...	154 40 44.2	m	23	8.2	14 52.07	..	17 6.0	n
384	<i>Anon.</i>					396	<i>Lacaille 3297.</i>				
Feb. 23	9.6	8 5 30.36	...	128 38 57.1	n	Jan. 31	8.0	8 15 1.97	5	153 20 1.4	n
385	<i>Anon.</i>					Mar. 1	8.4	15 1.98	...	20 2.3	m
Mar. 20	6.0	8 6 5.87	5	128 40 43.6	n						
386	<i>Anon.</i>										
Feb. 23	9.3	8 8 26.24	...	128 38 34.4	n						
Mar. 20	9.3	8 26.09	5	38 35.6	n						

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. A. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. A. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.
397	20 Cancri d¹					408	Taylor 3620.				
Mar. 7	...	8 15 37.82	...	71 14 14.0	M	Feb. 18	7.9	1 23 12.99	...	130 47 59.7	N
398	Anon.					409	Anon.				
Feb. 22	9.5	8 16 29.01	...	77 31 59.3	N	Mar. 24	8.3	8 23 34.49	...	128 39 46.5	N
399	Anon.					410	33 Cancri 7				
Feb. 18	8.8	8 17 25.74	6	77 49 19.5	N	Feb. 17	...	8 24 53.85	...	60 6 11.9	N
400	Anon.					21	...	24 53.91	5	6 11.7	N
Mar. 4	9.7	8 17 59.48	5	154 22 53.9	M	22	...	24 53.87	...	6 11.3	N
22	...	17 59.82	3	22 51.9	N	24	...	24 53.83	...	6 10.4	N
401	Anon.					27	...	24 53.87	...	6 11.5	N
Jan. 21	9.8	8 18 38.79	...	70 2 9.8	N	28	...	24 53.85	...	6 10.2	N
26	9.8	18 38.85	4	2 11.7	N	Mar. 2	...	24 53.88	...	6 10.2	M
402	Anon.					6	...	24 53.78	...	6 11.2	M
Mar. 3	9.7	8 18 47.77	...	151 0 56.2	M	16	...	24 53.89	...	6 11.5	N
21	9.6	18 48.10	5	0 55.5	N	17	...	24 53.77	...	6 11.0	N
403	Taylor 3599.					411	Taylor 3651.				
Mar. 10	8.0	8 20 18.26	5	144 52 57.1	M	Mar. 25	7.8	8 25 41.92	5	130 3 32.7	N
404	W. B. N. VIII. 459.					412	Taylor 3652.				
Jan. 31	8.9	8 20 20.45	5	74 27 31.4	N	Mar. 25	8.0	8 25 46.10	5	130 2 52.1	N
405	Anon.					413	Anon.				
Jan. 27	9.0	8 21 5.05	5	153 13 20.1	N	Jan. 30	9.0	8 23 42.39	...	73 19 20.6	N
406	29 Cancri.					Mar. 20	...	28 42.26	...	19 19.4	N
Jan. 11	6.0	8 21 5.14	...	75 20 43.2	M	414	W. B. N. VIII. 654.				
12	6.0	21 5.39	...	20 41.7	M	Mar. 11	8.7	8 29 4.22	5	70 20 6.6	M
Mar. 7	6.2	21 5.17	...	20 41.7	M	18	8.7	29 4.33	5	20 7.4	N
407	Anon.					415	Lacaille 3430.				
Mar. 11	8.0	8 21 32.27	5	131 41 47.0	M	Mar. 9	7.9	8 29 14.00	5	151 52 53.7	M
23	8.0	21 32.29	.	41 46.6	N	23	8.0	29 13.63	5	52 51.6	N
						Apl. 1	7.9	29 13.72	4	52 52.7	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		A.	M.	S.		°	'	"				A.	M.	S.		°	'	"	
416 W. B. N. VIII. 699.										427 Anon.									
Mar. 19	9.0	8	20	34.37	4	70	30	40.9	N	Mar. 6	8.2	8	37	52.45	4	136	2	47.3	M
417 Anon.										428 50 Cancri A ²									
Jan. 31	8.0	8	31	14.75	5	120	45	37.0	N	Apl. 5	6.2	8	39	32.00	..	77	23	48.7	M
418 Taylor 3710.										429 11 Hydrae, ε									
Feb. 17	8.0	8	31	26.01	5	141	21	17.5	N	Feb. 13	...	8	30	37.47	...	63	5	18.6	M
419 Anon.										17	...	30	37.50	...	...	5	18.4	N	
Mar. 27	9.0	8	33	11.82	..	129	23	40.3	R	20	...	30	37.44	...	...	5	18.0	N	
420 Anon.										21	...	30	37.50	...	...	5	18.3	N	
Mar. 4	8.6	8	34	9.35	...	154	20	37.7	M	22	...	30	37.51	...	...	5	18.5	N	
21	9.0	34	9.41	...	...	20	34.5	N	24	...	30	37.53	...	...	5	17.9	N		
Apl. 3	8.8	34	9.28	4	...	20	38.3	M	25	...	30	37.48	...	...	5	18.1	N		
421 Anon.										27	...	30	37.46	...	...	5	16.0	N	
Jan. 31	7.8	8	34	41.72	...	120	46	25.1	N	28	...	30	37.63	...	...	5	17.9	M	
422 Lacaille 3491.										Mar. 2	...	30	37.40	...	...	5	17.8	M	
Jan. 12	7.9	8	36	2.46	5	152	22	2.7	M	3	...	30	37.50	...	...	5	19.0	M	
423 b Velorum.										7	...	30	37.43	...	...	5	17.9	M	
Mar. 1	5.8	8	36	8.78	3	136	10	12.7	M	9	...	30	37.48	...	...	5	18.5	M	
22	5.5	36	8.02	...	...	10	12.3	N	10	...	30	37.43	...	...	5	17.8	M		
424 Taylor 3767.										16	...	30	37.47	...	...	5	17.6	N	
Feb. 19	7.2	8	36	31.27	...	140	50	28.7	N	17	...	30	37.39	...	...	5	17.4	N	
425 47 Cancri δ										20	...	30	37.47	...	...	5	17.6	N	
Feb. 8	...	8	37	0.41	4	71	21	6.7	M	430 Anon.									
9	...	37	0.54	...	...	21	7.5	M	Mar. 28	8.6	8	40	31.66	3	120	15	40.7	N	
426 Anon.										431 Anon.									
Mar. 19	9.2	8	37	18.16	5	136	8	45.3	N	Mar. 11	8.0	8	41	3.30	...	147	16	57.1	M
25	9.3	37	18.15	5	...	8	46.3	N	23	9.2	41	3.18	...	...	16	54.5	N		
430 Anon.										432 Lacaille 3534.									
Mar. 22	9.3	8	42	57.67	...	136	10	43.3	N	Mar. 24	8.0	8	42	19.54	...	129	18	19.3	N
Apl. 4	9.3	42	57.51	5	...	10	41.8	M	433 Anon.										
433 Anon.										Mar. 22	9.3	8	42	57.67	...	136	10	43.3	N
433 Anon.										Apl. 4	9.3	42	57.51	5	...	10	41.8	M	

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
434 <i>Lacaille 3573.</i>																			
Mar. 4	8.0	8	41	14.12	...	152	41	39.2	x	Feb. 27	7.8	8	50	17.50	5	132	57	9.3	x
21	8.0		41	14.17	5		41	39.0	x	Mar. 6	8.3		50	17.31	...		57	10.3	x
435 <i>Anon.</i>																			
Mar. 25	9.0	8	45	49.98	...	86	27	25.5	x	445 <i>65 Cancri a</i>									
										Jan. 12	...	8	51	6.23	...	77	37	30.5	x
										13	...		51	5.49	5		37	19.7	x
										Feb. 8	...		51	6.27	...		37	19.3	x
										Mar. 9	...		51	6.03	6		37	19.4	x
436 <i>Anon.</i>																			
Mar. 1	7.9	8	46	46.27	...	132	53	28.7	x	446 <i>Anon.</i>									
23	8.3		46	46.15	5		53	27.7	x	Mar. 11	9.7	8	51	23.37	5	117	15	46.1	x
437 <i>Anon.</i>																			
Mar. 22	8.0	8	46	58.08	...	136	6	15.5	x	447 <i>Anon.</i>									
27	8.3		46	57.92	...		6	15.9	x	Apr. 7	9.3	8	31	56.95	...	137	24	54.5	x
438 <i>Anon.</i>																			
Feb. 27	9.0	8	47	42.12	...	132	56	9.0	x	448 <i>Anon.</i>									
Mar. 23	9.2		47	42.21	4		56	6.9	x	Feb. 27	8.1	8	53	59.62	...	132	55	51.6	x
439 <i>Anon.</i>																			
Feb. 13	7.9	8	48	46.81	...	133	1	22.2	x	449 <i>Anon.</i>									
Mar. 29	8.0		48	46.72	5		1	22.1	x	Mar. 27	8.9	8	51	11.62	4	142	41	23.0	x
Apr. 6	...		48	47.00	5		1	22.0	x	450 <i>Anon.</i>									
440 <i>T Cancri Var 3.</i>																			
Feb. 16	8.7	8	48	57.18	...	69	38	12.7	x	Feb. 11	8.8	8	54	59.31	4	142	49	11.1	x
Mar. 30	8.2		48	57.28	...		38	12.4	x	Mar. 30	8.3		54	59.51	4		49	12.5	x
441 <i>Anon.</i>																			
Feb. 21	8.0	8	49	15.68	5	132	54	32.8	x	451 <i>Anon.</i>									
442 <i>Anon.</i>																			
Mar. 24	7.9	8	49	22.19	5	132	59	13.7	x	Mar. 21	9.6	8	56	21.27	5	146	51	14.0	x
										23	9.5		56	21.28	...		51	14.9	x
443 <i>9 Ursæ Majoris a</i>																			
Mar. 15	...	8	49	56.80	...	41	35	51.2	x	452 <i>Anon.</i>									
20	R		49	56.95	5		35	50.6	x	Feb. 17	8.1	8	56	38.97	...	145	46	17.0	x
										24	8.9		56	39.08	...		46	17.8	x
										Mar. 25	8.5		56	38.95	...		46	16.5	x
453 <i>Anon.</i>																			
Feb. 23	8.7	8	56	41.19	6	145	53	57.9	x										

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		A.	m.	s.		°	'	"	
454 <i>Anon.</i>									
Mar. 18	8.6	8	56	56.32	5	146	35	49.6	n
455 <i>Anon.</i>									
Feb. 17	9.2	8	58	7.30	4	146	49	57.5	n
Mar. 28	8.9		58	7.14	5		49	56.6	n
456 <i>Anon.</i>									
Mar. 7	9.0	8	58	11.10	...	146	18	37.9	m
457 <i>76 Cancri κ.</i>									
Jan. 12	...	9	0	25.98	...	78	47	29.6	m
13	...		0	25.98	5		47	26.7	n
458 <i>Anon.</i>									
Mar. 27	8.5	9	1	4.97	5	150	1	45.2	n
Apl. 10	8.0		1	5.21	5		1	46.9	m
459 <i>Anon.</i>									
Mar. 24	8.8	9	1	52.45	...	128	57	23.6	n
460 <i>Lacaille 3705.</i>									
Mar. 29	7.8	9	2	15.16	...	151	17	17.8	n
Apl. 1	7.4		2	15.28	..		17	19.2	m
461 <i>Anon.</i>									
Feb. 27	9.0	9	3	59.36	5	132	47	59.6	n
Mar. 22	9.0		3	59.36	4		47	59.0	n
462 <i>Anon.</i>									
Mar. 31	7.7	9	5	33.14	5	138	44	27.4	n
463 <i>Anon.</i>									
Jan. 14	9.0	9	6	32.53	5	138	41	46.0	m
464 <i>82 Cancri π^2</i>									
Mar. 9	6.0	9	7	46.40	...	74	30	2.8	m

Number and Date.	Magnitude.	Mean Right Ascension. 1865.			No. of Wires	Mean Polar Distance. 1865.			Observer.
		h.	m.	s.		°	'	"	
465 <i>Lacaille 3747.</i>									
Feb. 6	8.5	9	7	46.69	...	150	24	5.1	m
466 <i>Anon.</i>									
Mar. 27	10.0	9	9	28.14	5	73	52	56.6	n
467 <i>Lacaille 3774.</i>									
Feb. 10	8.9	9	9	55.05	...	157	10	0.5	m
16	8.7		9	54.75	...		9	58.7	n
Mar. 25	8.7		9	54.98	...		9	58.9	n
468 <i>Cancri 83.</i>									
Feb. 11	...	9	11	26.61	5	71	43	27.8	m
20	...		11	26.56	...		43	28.8	n
22	...		11	26.61	...		43	29.0	n
27	...		11	26.48	...		43	27.0	n
Mar. 2	...		11	26.57	...		43	28.5	n
3	...		11	26.59	...		43	28.4	n
11	...		11	26.56	...		43	28.2	m
17	...		11	26.55	..		43	28.9	n
18	...		11	26.49	...		43	28.9	n
20	...		11	26.54	3		43	28.4	n
Apl. 1	...		11	26.63	...		43	28.8	m
4	..		11	26.65	3		43	28.2	m
469 <i>Anon.</i>									
Jan. 12	8.0	9	13	6.92	4	72	18	12.6	m
470 <i>Argus.</i>									
Mar. 22	...	9	13	28.68	...	148	42	37.1	n
31	...		13	28.54	..		42	36.7	n
471 <i>Anon.</i>									
Mar. 31	9.0	9	15	17.47	...	143	48	53.2	n
472 <i>Anon.</i>									
Mar. 28	9.3	9	15	50.98	6	25	4	40.9	n
30	9.2		16	0.00	5		4	41.2	n

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"		
473 Anon.										481 25 Ursae Majoris 0										
Mar. 25	9.3	9	16	19.89	5	139	1	17.5	n	Mar. 22	...	0	23	45.66	...	37	42	35.1	n	
474 Anon.										482 Anon.										
Mar. 1	9.2	9	17	35.80	5	75	5	44.6	m	Mar. 29	9.6	0	24	21.34	5	158	41	1.7	n	
21	9.7		17	36.08	4		5	42.0	n	483 Lacaille 3886.										
27	9.7		17	35.80	4		5	41.7	n	Mar. 25	8.7	9	24	45.35	...	141	50	4.1	n	
475 O. A. N. 9881.										484 Lacaille 3887.										
Mar. 28	8.8	9	17	42.02	5	25	3	59.0	n	Mar. 24	7.8	9	24	57.13	...	140	0	49.1	n	
30	9.0		17	42.60	5		3	58.8	n	485 Anon.										
476 Anon.										Mar. 27	9.0	9	26	44.00	...	145	2	41.4	n	
Jan. 14	7.8	9	19	32.37	...	75	6	46.1	m	486 Anon.										
477 Anon.										Mar. 30	9.2	9	26	57.36	...	141	58	24.9	n	
Apr. 7	8.1	9	20	26.81	...	137	28	12.8	m	487 Taylor 4222.										
478 Anon.										Mar. 7	8.0	9	27	46.79	5	146	23	36.6	m	
Feb. 9	9.0	9	20	52.11	...	158	38	29.1	m	Apr. 6	8.0		27	46.54	...		23	37.0	m	
Mar. 29	9.0		20	52.08	5		38	29.2	n	488 Anon.										
479 30 Hydrae a Var. 2.										Feb. 27	9.0	9	28	1.00	...	128	46	9.4	n	
Feb. 13	...	9	20	57.18	...	98	4	31.9	m	489 Taylor 4226.										
20	...		20	57.17	...		4	31.5	n	Mar. 28	7.3	9	28	39.48	...	146	39	48.4	n	
Mar. 3	...		20	57.08	...		4	32.2	m	490 Anon.										
4	...		20	57.17	...		4	31.2	m	Apr. 7	9.4	9	29	34.61	5	146	33	51.7	m	
6	...		20	57.23	...		4	32.0	m	491 10 Leonis.										
11	...		20	57.09	...		4	31.2	m	Feb. 9	5.5	9	30	4.96	2	92	33	28.5	m	
13	...		20	57.08	...		4	30.7	m	10	5.5		30	4.78	..		33	29.3	m	
17	R		20	57.24	...		4	30.1	n											
18	...		20	57.13	...		4	32.0	n											
29	...		20	57.15	...		4	31.4	n											
Apr. 5	...		20	57.22	...		4	31.8	m											
480 Lacaille 3853.																				
Apr. 4	8.0	9	22	34.35	...	131	59	32.3	m											

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		A.	m.	s.								A.	m.	s.					
402 <i>Anon.</i>																			
Feb. 25	8.0	9	32	56.56	...	129	47	52.7	R	Mar. 23	...	9	38	10.99	...	65	36	22.1	R
Mar. 6	8.5		32	56.45	...		47	51.4	M	25	...		38	11.00	...		36	22.1	R
										28	...		38	11.00	...		36	22.3	R
										Apl. 10	...		38	11.02	...		36	22.8	M
403 <i>14 Leonis.</i>																			
Jan. 13	...	9	33	56.52	...	79	29	43.1	R	500 <i>Anon.</i>									
14	...		33	56.45	...		29	43.7	M	Apl. 5	5.8	9	39	2.69	...	82	40	11.9	M
										6	5.8		39	2.76	...		40	12.5	M
404 <i>Lacaille 3980.</i>																			
Feb. 14	8.8	9	34	32.36	...	148	34	2.4	M	501 <i>Anon.</i>									
18	8.0		34	32.33	...		34	2.6	R	Apl. 7	7.9	9	41	53.43	...	130	40	37.5	M
405 <i>Anon.</i>																			
Mar. 24	9.0	9	34	46.23	...	130	34	55.8	R	502 <i>Anon.</i>									
Apl. 3	8.6		34	46.40	...		34	57.7	M	Mar. 27	9.0	9	43	29.04	...	143	57	8.5	R
										Apl. 4	9.1		43	29.05	...		57	8.1	M
406 <i>Taylor 4280.</i>																			
Mar. 27	7.8	9	34	46.43	...	142	19	59.9	R	503 <i>Anon.</i>									
										Mar. 24	8.2	9	43	36.67	...	143	46	10.7	R
407 <i>Anon.</i>																			
Feb. 16	8.0	9	34	53.34	5	151	56	49.9	R	504 <i>Anon.</i>									
17	8.9		34	53.51	5		56	49.7	R	Feb. 23	8.7	9	44	7.53	...	147	1	53.6	R
Mar. 30	9.0		34	53.50	...		56	51.2	R	505 <i>Anon.</i>									
										Feb. 25	9.1	9	44	59.56	...	129	47	38.3	R
										Mar. 6	8.9		44	59.45	...		47	38.3	M
408 <i>Anon.</i>																			
Feb. 16	8.9	9	35	35.43	5	151	56	49.8	R	506 <i>Anon.</i>									
17	8.0		35	35.64	5		56	49.8	R	Mar. 28	9.0	9	45	59.50	...	129	3	9.4	R
Mar. 30	9.0		35	35.49	5		56	41.2	R	507 <i>R. P. L. 70.</i>									
										Mar. 23	...	9	46	28.85	3	5	26	4.7	R
409 <i>17 Leonis.</i>																			
Feb. 11	...	9	38	11.06	...	65	36	21.5	M	508 <i>Anon.</i>									
22	...		38	10.94	...		36	22.4	R	Mar. 25	9.0	9	46	29.17	5	129	7	14.7	R
Mar. 3	...		38	10.93	...		36	22.7	M	30	9.3		46	29.01	...		7	13.6	R
3	...		38	10.90	...		36	23.2	M	509 <i>Anon.</i>									
4	...		38	11.01	...		36	23.2	M	Mar. 29	9.3	9	48	35.65	...	153	7	57.8	R
7	...		38	11.02	...		36	23.3	M										
21	...		38	10.97	...		36	23.4	R										
22	...		38	11.01	...		36	23.4	R										

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.
527	<i>Taylor 4538.</i>					536	<i>Anon.</i>				
Apl. 10	7.1	10 6 12.04	..	129 19 41.6	M	Apl. 10	7.0	10 16 14.35	5	129 16 33.6	M
528	<i>Anon.</i>					537	<i>Taylor 4653.</i>				
Mar. 27	8.9	10 7 9.78	5	129 58 26.0	R	Mar. 13	8.0	10 18 4.33	6	151 23 32.7	M
30	9.0	7 9.76	...	58 20.5	R	Apl. 3	8.0	18 3.97	5	23 31.3	M
529	<i>Anon.</i>					538	<i>Anon.</i>				
Mar. 28	9.2	10 9 3.84	5	139 52 0.4	R	Mar. 29	9.2	10 18 47.80	5	146 8 44.5	R
530	<i>R. P. L. 72, s. p..</i>					539	<i>45 Leonis.</i>				
Sep. 13	...	10 9 31.13	3	5 3 59.6	M	Jan. 14	6.0	10 30 31.00	...	79 33 3.0	M
						Feb. 10	6.0	20 31.04	...	33 3.3	M
531	<i>Anon.</i>					540	<i>Anon.</i>				
Apl. 7	7.1	10 9 53.90	3	145 34 42.2	M	Mar. 30	8.0	10 21 54.67	5	146 55 12.3	R
532	<i>Anon.</i>					Apl. 20	8.3	21 54.68	5	55 12.7	R
Feb. 24	9.5	10 10 18.91	3	139 51 30.3	R	541	<i>Anon.</i>				
Mar. 28	9.2	10 18.56	4	51 23.3	R	Apl. 21	9.0	10 21 55.26	...	146 59 30.6	R
533	<i>41 Leonis γ^1</i>					542	<i>Anon.</i>				
Feb. 23	...	10 12 31.38	...	69 28 35.3	R	Apl. 22	9.0	10 23 25.13	5	76 5 36.7	R
Mar. 4	...	12 31.43	...	28 37.3	M	543	<i>47 Leonis ρ</i>				
7	...	12 31.44	...	28 38.4	R	Jan. 14	...	10 25 42.05	...	80 0 0.5	M
27	...	12 31.51	...	28 39.7	R	Feb. 10	...	25 42.15	...	0 0.4	M
29	...	12 31.47	...	28 39.0	R	28	...	25 42.11	...	79 50 59.9	M
30	...	12 31.52	...	28 38.4	R	Mar. 9	...	25 42.10	...	80 0 0.1	M
Apl. 1	...	12 31.49	...	28 38.5	M	25	...	25 42.01	...	0 0.1	R
4	...	12 31.37	...	28 39.1	M	27	...	25 42.04	...	79 50 59.8	R
19	...	12 31.53	...	28 38.8	R	29	...	25 42.00	...	80 0 0.9	R
534	<i>Anon.</i>					31	...	25 42.02	...	79 50 59.6	R
Feb. 27	9.3	10 12 53.97	...	128 37 14.0	R	Apl. 5	R	25 41.86	...	59 33.8	M
535	<i>43 Leonis.</i>					6	...	25 41.90	...	80 0 0.0	M
Apl. 6	6.2	10 15 50.40	...	82 46 23.6	M	7	...	25 41.97	...	79 50 59.8	M
7	...	15 56.45	...	46 23.7	M	10	...	25 41.93	...	59 59.9	M
						19	...	25 42.02	...	59 59.7	R
						24	...	25 42.01	...	59 59.9	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance. 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.
544	<i>Anon.</i>					554	<i>Taylor 4849.</i>				
May. 3	9.0	10 26 32.25	...	153 26 5.1	m	Apl. 23	6.6	10 38 41.64	...	149 24 37.0	n
						26	7.0	38 41.85	...	24 36.0	n
545	<i>p Carinae,</i>					555	<i>Taylor 4850, 2nd.</i>				
Mar. 13	...	10 27 13.98	5	150 59 32.2	m	Apl. 21	8.8	10 33 44.51	...	148 50 25.3	n
Apl. 8	...	27 13.94	...	59 33.0	m						
546	<i>Anon.</i>					556	<i>Anon.</i>				
Apl. 3	9.5	10 28 6.91	3	150 50 14.1	m	Apl. 8	9.0	10 30 5.23	...	148 34 31.8	m
547	<i>Taylor 4769.</i>					557	<i>γ Argus Var. 1.</i>				
Apl. 23	6.0	10 30 34.42	5	146 51 35.0	n	Mar. 31	...	10 39 49.80	...	148 58 33.3	n
						Apl. 20	...	39 49.89	...	58 32.7	n
						24	...	39 50.04	...	58 34.3	n
548	<i>Anon.</i>					558	<i>Taylor 4872.</i>				
Apl. 4	8.7	10 31 6.24	3	151 9 56.6	m	Apl. 4	8.0	10 41 7.08	5	151 13 53.3	m
May 3	..	31 6.09	5	9 56.5	m						
549	<i>Anon.</i>					559	<i>Anon.</i>				
Apl. 6	9.4	10 34 54.78	...	139 16 58.1	m	Apl. 23	9.2	10 41 58.61	...	149 23 11.5	n
						26	9.3	41 58.76	...	23 10.8	n
550	<i>Anon.</i>					560	<i>53 Leonis I</i>				
Apl. 10	8.5	10 35 5.34	...	149 5 59.4	m	Mar. 23	...	10 12 9.55	...	78 43 29.5	n
						24	...	42 9.52	...	41 30.0	n
551	<i>Taylor 4824.</i>					25	...	42 9.53	...	41 29.1	n
Apl. 20	7.8	10 36 8.52	5	143 59 20.9	n	27	...	42 9.54	...	41 29.1	n
24	7.0	36 8.73	...	58 21.2	n	28	...	42 9.59	...	41 30.6	n
May 2	7.0	36 8.64	4	58 21.9	m	29	...	42 9.52	...	41 29.2	n
4	8.0	36 8.74	5	58 20.6	m	30	...	42 9.54	...	41 29.6	n
552	<i>Anon.</i>					Apl. 1	...	42 9.43	...	41 29.8	n
Apl. 3	9.4	10 36 33.61	3	150 47 34.5	m	3	...	42 9.52	...	41 29.4	m
						19	...	42 9.55	5	41 29.4	n
553	<i>Anon.</i>					25	...	42 9.48	...	41 28.7	n
Mar. 13	8.1	10 37 33.24	3	151 29 30.4	m	561	<i>Taylor 4915.</i>				
						Mar. 13	8.2	10 46 33.12	...	133 36 5.4	m
						Apl. 6	7.0	46 33.12	...	36 5.5	m

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
562 <i>55 Leonis.</i>																			
Mar. 10	6.3	10	48	45.74	...	88	32	38.6	M	Mar. 18	9.3	10	57	2.01	5	145	32	46.3	M
11			48	45.59	...		32	39.1	M	Apl. 21	9.3		57	2.14	—		32	47.3	M
563 <i>Anon.</i>																			
Apl. 8	9.0	10	50	31.70	4	148	48	25.2	M	573 <i>63 Leonis χ</i>									
27	9.2		50	31.66	5		48	25.4	M	Mar. 21	...	10	58	3.12	...	81	56	6.3	M
564 <i>Taylor 4955.</i>																			
Apl. 5	7.1	10	50	43.20	...	147	19	57.6	M	27	11		58	3.10	6		56	5.1	M
565 <i>Anon.</i>																			
Apl. 4	9.0	10	51	58.26	5	143	45	48.0	M	28	...		58	3.03	...		56	5.3	M
29	...		51	58.33	...		45	47.5	M	30	...		58	3.10	...		56	6.4	M
566 <i>Anon.</i>																			
Mar. 24	9.0	10	52	21.55	5	143	36	35.0	M	Apl. 10	...		58	3.15	..		56	6.2	M
567 <i>Anon.</i>																			
Apl. 7	8.5	10	53	35.18	3	149	15	5.8	M	21	...		58	3.00	...		56	5.5	M
22	8.9		53	35.08	...		15	4.4	M	29	...		58	3.03	...		56	5.7	M
568 <i>59 Leonis ϵ</i>																			
Mar. 10	...	10	53	44.92	...	83	10	27.0	M	574 <i>Lacaille 4595.</i>									
569 <i>Anon.</i>																			
Mar. 13	8.5	10	53	49.80	3	135	32	8.2	M	May 2	8.0	10	59	21.68	...	148	59	12.1	M
Apl. 6	8.8		53	50.07	...		32	8.0	M	9	8.0		59	21.38	5		59	10.1	M
26	9.0		53	49.97	...		32	7.2	M	575 <i>Lacaille 4612.</i>									
570 <i>50 Ursae Majoris α, Dubhe.</i>																			
Mar. 21	R	10	55	22.11	5	27	31	15.3	M	Mar. 13	8.5	11	0	57.36	...	151	46	54.1	M
22	R		55	22.27	5		31	15.0	M	576 <i>Anon.</i>									
31	R		55	22.23	4		31	15.2	M	Apl. 6	8.4	11	1	4.03	5	135	33	57.3	M
Apl. 25	...		55	22.26	5		31	14.5	M	577 <i>67 Leonis.</i>									
571 <i>Anon.</i>																			
May 1	8.0	10	55	49.50	3	149	17	7.5	M	Apl. 22	6.5	11	1	31.03	...	61	36	42.2	M
572 <i>Anon.</i>																			
578 <i>Anon.</i>																			
579 <i>Anon.</i>																			
580 <i>Lalande 21371.</i>																			
581 <i>Lalande 21416.</i>																			

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No of Wires	Mean Polar Distance 1865.			Observer.
A.	m.	s.	°.	'.	°.	'.	°.		
582 <i>Anon.</i>									
May 2	8.1	11	5	51.90	5	148	59	4.2	m
583 <i>Taylor 5108.</i>									
Mar. 10	5.9	11	6	49.42	5	149	35	3.9	m
584 <i>69 Leonis p³</i>									
Feb. 11	5.0	11	6	50.87	...	80	20	9.7	x
585 <i>68 Leonis δ</i>									
Mar. 14	...	11	6	55.53	...	68	44	14.6	m
24	...	6	55.56	...	...	44	15.2	n	
28	R	6	55.46	5	...	44	15.2	n	
Apl. 25	...	6	55.40	...	...	44	14.6	n	
29	...	6	55.41	...	...	44	14.9	n	
586 <i>Anon.</i>									
Mar. 25	9.3	11	8	36.60	...	150	51	9.3	n
587 <i>Anon.</i>									
Apl. 21	8.7	11	9	47.15	5	147	15	18.7	n
588 <i>74 Leonis φ</i>									
Feb. 11	...	11	9	47.61	3	92	54	53.3	m
Apl. 8	...	9	47.80	...	...	54	52.7	m	
589 <i>Anon.</i>									
May 2	8.5	11	10	28.25	3	145	56	9.4	m
590 <i>Anon.</i>									
Apl. 22	9.0	11	10	34.66	3	141	8	35.0	n
591 <i>Anon.</i>									
Apl. 28	8.3	11	11	10.92	...	127	38	41.8	n

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No of Wires	Mean Polar Distance 1865.			Observer.
A.	m.	s.	°.	'.	°.	'.	°.		
592 <i>12 Crateris δ</i>									
Mar. 13	...	11	12	35.66	...	104	2	55.0	m
14	...	12	35.55	...	...	2	54.3	m	
Apl. 1	...	12	35.49	...	...	2	55.2	m	
3	...	12	35.44	...	...	2	55.2	m	
21	...	12	35.60	...	...	2	55.9	n	
29	...	12	35.60	5	...	2	54.0	n	
593 <i>Anon.</i>									
May 3	7.7	11	12	51.47	...	129	35	27.0	m
594 <i>Anon.</i>									
Mar. 21	7.8	11	15	52.84	...	128	21	56.3	n
Apl. 20	8.0	15	52.70	...	...	21	55.2	n	
595 <i>Lacaille 4726.</i>									
Mar. 18	8.2	11	16	7.99	...	145	51	48.3	n
Apl. 10	8.0	16	7.94	.	...	51	50.6	n	
May 4	8.0	16	8.17	...	...	51	49.9	n	
596 <i>79 Leonis.</i>									
Apl. 7	.	11	17	6.62	...	87	51	6.8	m
597 <i>Taylor 5220.</i>									
Mar. 25	8.0	11	19	3.43	...	131	55	51.1	n
May 1	8.0	19	3.51	..	...	55	52.6	n	
598 <i>Anon.</i>									
Mar. 21	9.3	11	21	45.11	...	128	23	5.6	n
Apl. 20	9.5	21	45.07	...	...	23	6.9	n	
599 <i>Taylor 5245.</i>									
May 1	8.7	11	22	5.88	5	131	56	8.1	m
5	8.5	22	5.81	5	...	56	7.7	m	
600 <i>Anon.</i>									
Mar. 18	9.2	11	22	51.03	4	145	54	4.0	n

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ' "	Observer.
601	<i>O. A. N. 11812.</i>					Mar. 29	R	11 30 2 14	...	90 4 43.4	n
Apl. 22	9.0	11 23 12.09	...	22 58 4.3	n	May 2	...	30 2 17	...	4 44.6	n
29	9.3	23 12.93	5	58 5.3	n	5	...	30 2 26	...	4 44.2	n
						8	...	30 2 08	...	4 43.8	n
602	<i>Anon.</i>					610	<i>Anon.</i>				
Apl. 6	8.2	11 24 33.97	...	22 56 14.5	n	Apl. 20	9.2	11 32 12.24	5	144 14 53.0	n
22	9.0	24 33.47	5	56 15.1	n						
29	9.3	24 33.73	5	56 16.2	n						
May. 3	8.0	24 33.93	5	56 13.8	n	611	<i>Anon.</i>				
603	<i>Anon.</i>					Apl. 4	8.0	11 33 10.21	...	141 14 57.1	n
May 4	9.1	11 25 23.80	5	128 27 8.0	n	5	8.3	33 10.44	5	14 56.8	n
						20	8.2	33 10.21	5	14 55.3	n
604	<i>Anon.</i>					612	<i>W. B. E. XI. 571.</i>				
Mar. 21	9.3	11 25 50.51	...	128 23 0.2	n	Mar. 25	8.0	11 33 28.83	-	89 18 0.2	n
23	9.7	25 50.44	4	23 0.7	n						
Apl. 21	9.2	25 50.45	...	23 0.4	n						
605	<i>Anon.</i>					613	<i>Anon.</i>				
Mar. 14	9.0	11 26 30.42	5	151 4 24.1	n	Apl. 6	7.0	11 31 23.38	-	144 21 3.3	n
606	<i>Anon.</i>					May 3	...	31 23.23	3	21 1.9	n
Mar. 21	9.2	11 28 22.79	5	128 20 27.6	n	4	7.9	31 23.52	4	21 1.4	n
Apl. 21	9.3	28 22.74	...	20 29.3	n						
28	9.3	28 22.79	...	20 26.2	n						
607	<i>λ Centauri.</i>					614	<i>W. B. E. XI. 597.</i>				
Mar. 15	...	11 29 34.22	5	152 16 25.8	n	Apl. 29	9.1	11 34 46.72	...	88 15 25.3	n
22	...	29 34.36	...	16 25.6	n						
608	<i>Anon.</i>					615	<i>Anon.</i>				
May 9	8.0	11 29 53.73	...	140 16 2.8	n	Apl. 28	9.0	11 38 45.08	...	129 31 22.3	n
10	8.2	29 54.09	...	16 1.9	n						
609	<i>91 Leonis v</i>					616	<i>Anon.</i>				
Feb. 11	...	11 30 2.08	...	90 1 44.5	n	Mar. 21	9.2	11 40 59.57	-	140 22 24.3	n
Mar. 11	...	30 2.20	...	1 44.3	n						
24	...	30 2.30	...	4 44.4	n	617	<i>Anon.</i>				
						Mar. 23	9.0	11 41 15.38	...	129 32 26.1	n
						Apl. 28	8.2	41 15.19	...	92 25.7	n

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnit. de.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		A.	m.	s.		°	'	"	
637 <i>Anon.</i>									
Mar. 30	9.0	11 50	4 37	5	128	23	5.8	n	
638 <i>Anon.</i>									
Apl. 5	9.1	11 59	34 62	3	150	19	58.1	m	
26	9.0	59	34.78	...		19	57.3	n	
29	...	59	34.58	5		19	57.6	n	
639 <i>Anon.</i>									
Mar. 15	8.6	12 1	10.79	...	150	21	47.6	m	
Apl. 26	8.5	1	11.03	4		21	47.4	n	
May 16	8.7	1	11.09	5		21	46.8	n	
640 <i>Lacaille 5041.</i>									
Mar. 14	8.0	12 2	35.93	...	141	23	34.1	m	
641 <i>2 Corvi.</i>									
Apl. 7	...	12 3	11.01	...	111	52	9.0	m	
12	...	3	11.05	...		52	8.6	m	
20	...	3	11.13	...		52	7.9	n	
May 1	...	3	11.21	5		52	9.2	m	
2	...	3	11.14	...		52	9.0	m	
3	...	3	11.07	...		52	7.4	m	
4	...	3	10.86	...		52	7.2	m	
5	...	3	11.19	...		52	9.2	m	
642 <i>Anon.</i>									
Apl. 27	9.0	12 5	51.28	..	134	8	28.0	n	
643 <i>Anon.</i>									
Mar. 15	8.7	12 5	59.16	...	150	19	23.7	m	
Apl. 5	8.0	5	59.23	...		19	25.2	m	
May 16	8.9	5	59.45	5		19	25.5	n	
644 <i>Anon.</i>									
May 9	-	12 6	15.41	3	135	27	53.7	m	

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		A.	m.	s.		°	'	"	
645 <i>Anon.</i>									
Mar. 28	9.2	12 8	53.34	...	144	20	34.1	n	
Apl. 28	9.0	8	53.27	5		20	35.5	n	
646 <i>Anon.</i>									
Apl. 5	8.1	12 11	55.17	5	150	23	12.7	m	
647 <i>Taylor 5648.</i>									
Mar. 29	7.3	12 12	34.47	...	152	6	17.6	n	
648 <i>R. P. L. 92.</i>									
May 8	...	12 12	53.55	3	2	48	48.3	m	
15	...	12	53.53	3		48	49.2	m	
649 <i>15 Virginis 7</i>									
Mar. 13	...	12 12	59.97	...	59	55	0.0	m	
31	R	12	59.89	6		54	59.5	n	
Apl. 4	...	12	59.99	...		54	59.8	m	
6	..	12	59.97	...		54	59.3	m	
7	...	12	59.97	...		55	0.0	m	
8	...	12	59.94	...		54	59.6	m	
12	...	12	59.99	...		55	0.2	m	
20	...	12	59.96	...		54	59.7	n	
May 2	...	12	59.98	..		55	0.2	m	
4	...	12	59.98	...		54	59.4	m	
5	...	12	59.82	...		55	0.4	m	
10	...	12	59.92	...		54	59.2	m	
20	...	13	0.03	5		55	1.0	n	
650 <i>Lacaille 5119.</i>									
May. 17	8.0	12 15	25.03	...	138	34	37.1	m	
651 <i>Anon.</i>									
Mar. 14	8.0	12 15	55.30	..	141	40	15.8	m	
15	8.0	15	55.19	...		40	14.8	m	
652 <i>Anon.</i>									
May 18	8.8	12 16	49.29	5	147	10	7.0	n	

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
653 <i>α¹ Crucis.</i>										662 <i>Anon.</i>									
May 20	...	12	19	673	5	152	21	39	n	May 23	...	12	32	52 57	...	143	7	43 3	n
654 <i>Anon.</i>										663 <i>Anon.</i>									
May 1	8.0	12	19	677	...	147	21	41.5	x	Apl. 27	8.7	12	33	50.41	5	145	33	48 6	n
655 <i>Anon.</i>										664 <i>Taylor 5830.</i>									
May 16	9.1	12	24	41.01	5	150	58	59.2	x	May 2	7.0	12	34	30.15	...	144	1	13 9	x
656 <i>Anon.</i>										665 <i>29 Virginis γ¹</i>									
May 22	...	12	25	59.16	5	23	2	11.1	n	May 1	...	12	34	49.13	...	90	42	31.3	x
657 <i>γ Corvi β</i>										15	...	31	49.13	...	...	42	27 0	x	
Mar. 31	R	12	27	17.08	...	112	38	58.6	R	20	...	34	49.18	...	...	42	29 5	n	
Apl. 8	...	27	18.06	...	...	39	0.2	x	666 <i>29 Virginis γ²</i>										
11	...	27	17.06	...	...	39	1.6	n	Apl. 22	...	12	34	49.22	5	90	42	31 0	n	
21	...	27	18.00	...	...	39	0.1	n	667 <i>28 Virginis.</i>										
22	...	27	17.97	...	...	38	59.4	n	Apl. 10	...	12	34	58.92	—	96	45	27 8	x	
23	...	27	18.01	...	...	38	59.4	n	668 <i>W. B. E. XII. 592.</i>										
May 4	...	27	18.11	...	...	38	59.8	x	May 9	8.0	12	36	4.31	3	93	18	9 0	x	
8	...	27	17.06	...	...	38	59.6	x	10	8.0	36	4.43	...	...	18	8 3	n		
9	...	27	17.08	...	...	38	59.5	x	669 <i>Anon.</i>										
658 <i>Taylor 5785.</i>										Apl. 6	8.3	12	38	20.09	5	146	28	42 1	x
Apl. 7	7.0	12	27	50.02	...	150	59	46.4	x	May 8	8.4	38	19.96	3	...	28	42 7	x	
May 16	7.5	27	49.90	5	...	50	46.5	n	18	9.0	38	20.02	...	...	28	40 6	n		
659 <i>Anon.</i>										670 <i>Anon.</i>									
Mar. 15	8.0	12	27	52.32	5	141	40	14.7	x	June 3	8.6	12	39	29.17	5	143	50	37 6	n
Apl. 13	8.4	27	52.43	...	...	40	16.4	x	671 <i>Anon.</i>										
660 <i>Anon.</i>										May 16	9.3	12	39	31.39	5	141	54	33 6	n
May 18	9.3	12	27	55.77	...	140	55	32.7	n										
661 <i>Anon.</i>																			
May 25	9.2	12	31	51.95	...	84	30	52.5	n										

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ' "	Observer.
672	<i>Anon.</i>					683	<i>Anon.</i>				
June 5	8.0	12 49 52.61	3	141 53 12.4	M	May 10	8.3	12 48 56.37	...	149 34 39.1	M
						June 6	8.0	48 56.21	...	24 37.8	M
673	<i>Anon.</i>					684	<i>12 Canum Venaticorum.</i>				
Mar. 15	8.2	12 41 43.17	5	141 49 53.8	M	Apl. 11	...	12 49 42.32	...	50 57 7.6	M
674	<i>Anon.</i>					12	...	49 42.45	...	57 7.0	M
May 25	9.4	12 42 6.67	3	147 16 47.5	R	20	...	49 42.37	...	57 7.2	R
675	<i>Anon.</i>					21	...	49 42.37	5	57 8.4	R
May 25	8.8	12 42 27.91	5	147 19 5.5	R	22	...	49 42.33	...	57 8.2	R
676	<i>Anon.</i>					27	...	49 42.41	...	57 6.9	R
May 27	9.3	12 42 50.78	...	142 52 17.4	R	28	...	49 42.35	...	57 6.9	R
677	<i>Anon.</i>					May 3	...	49 42.43	...	57 6.2	M
Apl. 25	...	12 43 20.77	5	129 8 11.8	R	4	...	49 42.39	...	57 7.0	M
678	<i>U Virginis Var. 3.</i>					9	...	49 42.58	...	57 6.9	M
Apl. 22	8.5	12 44 14.71	...	83 42 40.9	R	22	...	49 42.41	5	57 7.0	R
679	<i>Radeliffe 2922.</i>					29	...	49 42.42	...	57 8.6	R
May 22	...	12 45 9.16	5	26 16 44.9	R	685	<i>Anon.</i>				
680	<i>40 Virginis ψ</i>					May 25	9.5	12 51 13.39	5	127 5 24.6	R
Apl. 10	...	12 47 20.03	...	98 48 18.6	M	686	<i>Anon.</i>				
681	<i>R. P. L. 99.</i>					May 17	8.6	12 53 20.21	5	143 49 51.4	M
Apl. 26	...	12 49 11.45	3	5 51 9.1	R	687	<i>Anon.</i>				
May 15	...	49 11.05	3	51 10.6	M	May 31	..	12 53 28.57	5	135 44 47.0	R
682	<i>Anon.</i>					688	<i>Anon.</i>				
May 23	...	12 49 32.02	...	125 25 30.2	R	May 23	9.0	12 55 6.17	5	124 23 22.0	R
						689	<i>Anon.</i>				
						May 25	9.0	12 57 3.57	...	123 25 31.7	R
						27	9.0	57 2.45	...	23 30.7	R
						690	<i>Anon.</i>				
						Apl. 27	..	12 58 9.49	4	124 29 1.5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
691 <i>Anon.</i>										699 <i>Anon.</i>									
May 18	8.0	12	58	18.85	...	124	23	15.6	n	Apl. 22	7.8	13	12	56.30	...	122	56	51.3	n
23	8.0	58	18	89	5	23	15.3	n		June 5	7.7	12	56	42	...	56	51.1	n	
692 <i>Taylor 6025.</i>										700 <i>Lacaille 5503.</i>									
May 27	7.8	12	59	30.80	5	123	24	44.0	n	Apl. 25	8.0	13	14	12.31	...	125	24	10.8	n
693 <i>51 Virginis 0</i>										May 10	7.9	14	12	41	..	24	12.4	n	
Mar 13	...	13	2	57.79	...	94	49	3.9	n	701 <i>Taylor 6148.</i>									
14	...	2	57	63	...	49	3.6	n	May 26	7.0	13	14	15.04	...	128	8	3.3	n	
15	...	2	57	71	...	49	3.9	n	702 <i>O. A. N. 13563.</i>										
Apl. 3	R	2	57	74	5	49	1.6	n	May 25	...	13	15	26.64	4	27	53	32.4	n	
12	...	2	57	67	...	49	4.4	n	703 <i>Anon.</i>										
26	...	2	57	78	...	49	4.1	n	May 26	9.5	13	17	10.43	5	128	9	45.4	n	
May 9	...	2	57	46	...	49	4.3	n	704 <i>67 Virginis a, Spica.</i>										
10	...	2	57	70	...	49	5.0	n	Mar. 13	...	13	18	4.98	...	109	27	20.8	n	
17	...	2	57	62	...	49	4.0	n	14	...	18	5.00	...	27	22.1	n			
20	...	2	57	64	...	49	4.3	n	Apl. 10	...	18	5.06	...	27	21.2	n			
29	...	2	57	62	...	49	2.4	n	11	...	18	4.96	...	27	21.3	n			
30	...	2	57	74	...	49	3.9	n	21	...	18	5.01	...	27	24.7	n			
694 <i>Anon.</i>										22	...	18	5.04	...	27	22.0	n		
May 25	9.0	13	4	38.96	...	143	12	42.3	n	27	...	18	5.07	...	27	21.1	n		
695 <i>Lacaille 5434.</i>										28	...	18	4.94	...	27	20.8	n		
June 1	8.3	13	6	1.59	...	152	51	53.6	n	May 1	...	18	5.11	...	27	21.9	n		
696 <i>Anon.</i>										3	...	18	4.99	5	27	20.9	n		
Apl. 27	8.7	13	7	42.95	4	139	46	33.2	n	8	...	18	4.93	...	27	21.1	n		
28	9.3	7	42	95	6	46	31.8	n	17	...	18	4.99	...	27	21.0	n			
May 18	8.5	7	42	83	5	46	31.5	n	20	...	18	4.93	...	27	21.6	n			
697 <i>Anon.</i>										29	...	18	5.04	...	27	20.1	n		
Apl 27	9.2	13	8	9.51	5	139	46	3.8	n	30	...	18	5.01	...	27	21.7	n		
May 18	9.3	8	9	65	4	46	4.0	n	June 7	...	18	4.99	3	27	19.8	n			
698 <i>Anon.</i>										14	...	18	5.04	...	27	23.1	n		
Apl. 29	8.7	13	9	44.99	...	129	56	36.0	n	705 <i>Anon.</i>									
										June 6	8.2	13	19	5.02	5	143	27	5.4	n

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Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		h.	m.	s.		°	'	"	
706 Radcliffe 3011.									
May 22	...	13	19	28.42	3	34	23	47.6	n
707 R. P. L. 103—s.p.									
Nov. 27	...	13	20	12.44	3	4	32	23.1	n
708 R. Hydrae Var. 1									
May 2	6.3	13	22	20.43	...	112	34	59.3	m
June 1	6.0	22	20	38	5	31	58.0	m	
709 Anon.									
June 3	8.0	13	24	51.17	...	128	8	58.1	m
710 Anon.									
May 23	...	13	24	52.95	...	124	9	25.7	n
711 Anon.									
May 26	9.0	13	25	34.95	3	128	10	35.7	n
712 76 Virginis h.									
Apl. 10	...	13	25	51.49	...	99	28	6.6	m
11	...	25	51	66	...	28	6.9	m	
713 S Virginis Var. 6.									
June 8	7.1	13	25	57.21	...	96	30	0.2	m
714 Anon.									
May 18	8.0	13	26	41.54	3	131	35	30.0	n
715 79 Virginis 3									
Apl. 21	...	13	27	49.82	...	89	54	17.3	n
23	...	27	49	84	...	54	17.8	n	
26	...	27	49	06	...	54	17.3	n	
27	...	27	49	04	...	54	17.1	n	
28	...	27	49	59	...	54	17.3	n	
May 1	...	27	48	75	...	54	18.9	m	
15	...	27	49	00	...	54	16.5	m	

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		h.	m.	s.		°	'	"	
May 22	...	13	27	49.57	...	89	54	17.3	n
25	...	27	49	50	...	54	17.2	n	
June 5	...	27	49	03	...	54	16.9	m	
7	...	27	49	87	...	54	16.1	m	
716 Taylor 7183.									
Apl. 25	7.0	13	28	27.28	3	131	43	28.4	n
29	7.7	28	27	40	...	43	27.8	n	
June 6	7.0	28	27	17	4	43	27.7	m	
717 Lacaille 5614.									
May 26	8.0	13	30	0.33	...	128	12	25.3	n
27	...	30	0	35	4	12	26.7	n	
718 Anon.									
May 18	9.5	13	34	6.45	...	129	10	16.1	n
719 Anon.									
May 26	8.7	13	35	46.77	3	128	3	44.6	n
June 8	8.4	35	46	66	3	3	45.3	m	
720 Anon.									
June 1	8.9	13	36	17.95	...	128	5	40.1	m
721 Taylor 6363.									
June 6	7.7	13	36	42.17	...	147	33	46.0	m
722 Taylor 6366.									
June 3	7.0	13	36	57.04	3	151	46	21.1	m
723 Lacaille 5659.									
May 17	8.7	13	37	12.47	...	152	13	53.1	m
724 86 Virginis.									
Mar. 14	...	13	38	44.78	...	101	41	56.4	m
15	6.3	38	44	53	...	41	57.0	m	

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		<i>h</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
743	<i>Taylor 6585.</i>								
June 8	7.0	14	1	26.07	4	134	14	21.4	x
744	<i>Anon.</i>								
June 3	8.4	14	2	5.64	3	124	16	30.3	x
745	<i>R. P. L 108—s.p.</i>								
Dec. 11	...	14	3	47.71	2	3	35	45.4	x
746	<i>Lacaille 5844.</i>								
May 11	7.5	14	5	9.08	...	151	4	25.9	x
25	8.0		5	8.94	...		4	24.6	n
747	<i>Taylor 6616.</i>								
June 6	5.9	14	5	34.40	3	146	27	7.5	x
12	...		5	34.59	5		27	7.9	x
748	<i>98 Virginis α</i>								
May 8	...	14	5	41.74	...	99	38	38.2	x
9	...		5	41.70	...		38	37.9	x
749	<i>16 Bootis α, Arcturus.</i>								
Mar. 15	...	14	9	30.29	...	70	6	49.5	x
May 15	...		9	30.27	3		6	48.2	x
16	...		9	30.27	...		6	49.1	x
17	...		9	30.33	...		6	49.1	x
19	...		9	30.21	...		6	48.9	x
22	...		9	30.34	6		6	49.0	x
June 1	...		9	30.30	...		6	48.7	x
6	...		9	30.28	...		6	49.4	x
7	...		9	30.14	...		6	48.2	x
8	...		9	30.24	3		6	49.1	x
14	...		9	30.23	...		6	48.4	x
19	...		9	30.26	...		6	48.9	x
29	...		9	30.22	...		6	48.6	x
750	<i>100 Virginis λ</i>								
Apl. 11	...	14	11	49.55	...	102	44	53.8	x
12	...		11	49.54	5		44	53.9	x
May 8	...		11	49.42	...		44	53.3	x
751	<i>Anon.</i>								
June 3	7.7	14	14	30.75	...	150	46	22.9	x
5	7.8		14	30.99	3		46	22.8	x
752	<i>Anon.</i>								
May 11	8.5	14	14	37.72	3	122	36	3.2	x
753	<i>2 Librae.</i>								
Apl. 11	...	14	16	10.08	...	161	5	45.3	x
12	...		16	10.06	...		5	45.9	x
May 5	7.9		16	9.98	2		5	46.4	x
754	<i>Taylor 6721.</i>								
June 12	7.9	14	17	25.52	...	101	3	18.0	x
755	<i>S Bootis Var. 2.</i>								
June 20	9.2	14	18	21.54	...	35	34	27.9	x
756	<i>Anon.</i>								
May 23	8.2	14	20	1.25	...	127	9	9.2	x
29	...		20	1.34	...		9	10.2	x
757	<i>Lacaille 5962.</i>								
Apl. 29	7.8	14	22	46.12	5	129	47	1.8	x
758	<i>Anon.</i>								
Apl. 29	9.3	14	23	0.17	5	129	46	17.3	x
759	<i>O. A. N. 14634.</i>								
June 24	...	14	25	52.25	4	20	8	39.3	x

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
760 <i>25 Bootis ρ</i>									
Mar. 15	...	11	26	0.60	...	59	2	4.9	M
May 11	...		26	0.65	...		2	4.9	M
15	...		26	0.48	...		2	4.7	M
16	...		26	0.68	...		2	5.5	M
17	...		26	0.68	...		2	5.1	M
18	...		26	0.62	...		2	4.9	M
31	...		26	0.57	...		2	6.0	M
June 1	...		26	0.66	...		2	4.9	M
3	...		26	0.66	...		2	4.1	M
5	...		26	0.70	...		2	4.6	M
6	...		26	0.69	...		2	4.9	M
8	...		26	0.66	...		2	5.2	M
14	...		26	0.69	...		2	5.0	M
19	...		26	0.58	...		2	3.9	M
23	...		26	0.57	...		2	4.6	M
761 <i>O. A. N. 14652</i>									
June 24	...	14	27	2.17	5	20	7	13.5	M
762 <i>α Centauri</i>									
May 23	...	14	30	26.89	5	150	16	40.5	M
31	...		30	27.05	...		16	40.8	M
June 12	...		30	27.16	...		16	41.3	M
19	...		30	27.20	5		16	39.9	M
20	...		30	27.27	...		16	30.5	M
763 <i>α Centauri.</i>									
May 25	...	14	30	27.28	...	150	16	32.3	M
June 23	...		30	27.56	...		16	33.5	M
764 <i>Lacaille 6027.</i>									
June 8	7.8	14	31	7.40	5	122	47	33.8	M
765 <i>Anon.</i>									
May 18	8.5	14	32	45.81	...	121	41	31.1	M
766 <i>Anon.</i>									
May 29	8.5	14	32	59.36	...	125	18	2.4	M
767 <i>Anon.</i>									
June 20	9.5	14	36	35.95	...	150	17	36.4	M
768 <i>5 Librae.</i>									
Mar. 15	...	14	38	31.36	...	104	53	17.5	M
June 6	...		38	31.25	...		53	18.1	M
769 <i>36 Bootis ε, Mirac.</i>									
May 11	...	14	39	5.40	...	62	21	19.1	M
18	...		39	5.48	5		21	18.9	M
22	...		39	5.42	...		21	18.1	M
23	...		39	5.37	...		21	18.3	M
25	...		39	5.46	...		21	19.1	M
27	...		39	5.50	...		21	18.5	M
31	...		39	5.54	...		21	17.3	M
June 3	...		39	5.46	...		21	18.1	M
12	...		39	5.26	...		21	18.7	M
19	...		39	5.43	...		21	19.0	M
23	...		39	5.53	...		21	17.8	M
770 <i>Anon.</i>									
May 17	7.7	14	39	24.24	5	124	9	53.0	M
June 1	7.9		39	24.21	...		9	53.9	M
771 <i>Anon.</i>									
May 29	...	14	40	28.41	5	127	3	59.7	M
772 <i>Brisbane 5069.</i>									
June 20	8.9	14	41	28.01	5	131	16	50.2	M
773 <i>9 Librae α</i>									
Mar. 15	...	14	42	24.83	...	105	28	43.7	M
May 9	...		42	24.73	...		28	43.7	M
10	...		42	24.66	...		28	44.3	M
13	...		42	24.67	3		28	43.9	M
23	...		42	24.88	5		28	43.1	M
26	...		42	24.87	...		28	42.4	M
June 3	...		42	24.79	...		28	43.0	M
5	...		42	24.80	...		28	43.4	M
19	...		42	24.90	...		28	45.0	M
23	...		42	24.83	3		27	44.8	M
29	...		42	24.82	4		28	44.8	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date	Magnitude.	Mean Right Ascension 1865.			No of Wires	Mean Polar Distance 1865.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
774	<i>Lalande 27123.</i>								
May 11	7.8	14	47	20.87	...	109	27	38.2	m
775	<i>Anon.</i>								
July 1	9.4	14	47	36.66	3	150	41	23.5	m
776	<i>Anon.</i>								
June 20	9.0	14	50	27.36	...	150	32	26.9	n
777	<i>7 Ursae Minoris β Var. 1.</i>								
June 19	...	14	51	8.20	3	15	17	32.6	n
778	<i>Taylor 7017.</i>								
May 11	7.0	14	57	10.02	3	150	36	13.0	m
13	7.5		57	9.69	3		36	13.3	m
779	<i>Anon.</i>								
May 29	8.5	14	57	46.28	5	131	39	58.6	n
780	<i>43 Bootis ψ</i>								
May 12	...	14	58	39.61	...	62	31	23.0	m
26	...		58	39.56	...		31	27.9	n
31	...		58	39.66	5		31	28.7	n
June 5	...		58	39.68	.		31	27.4	m
20	...		58	39.73	5		31	29.7	n
781	<i>47 Bootis k</i>								
May 30	...	15	0	57.56	...	41	19	35.1	n
782	<i>Taylor 7079.</i>								
June 8	6.9	15	3	23.79	...	123	7	39.1	m
783	<i>Anon.—2nd.</i>								
May 16	9.0	15	3	37.63		122	18	38.1	n
784	<i>24 Librae α'</i>								
Apl. 12	...	15	4	31.69	5	109	16	43.9	m
May 10	...		4	31.84	...		16	43.4	m
785	<i>R. P. L. 111.</i>								
June 19	...	15	5	37.16	3	5	31	38.0	n
786	<i>27 Librae β</i>								
May 12	...	15	9	41.62	...	93	52	57.4	m
18	...		9	41.73	..		52	57.2	n
26	...		9	41.73	...		52	56.4	n
27	...		9	41.62	...		52	57.8	n
June 12	...		9	41.68	4		52	57.8	m
20	...		9	41.75	...		52	57.2	n
29	...		9	41.53	...		52	57.1	n
July 3	...		9	41.67	...		52	57.1	m
7	...		9	41.64	5		52	57.5	m
787	<i>Anon.</i>								
May 13	8.3	15	11	54.91	...	199	24	14.1	m
29	8.5		11	54.97	4		24	15.0	n
788	<i>Lacaille 6354.</i>								
May 16	9.0	15	15	4.43	...	124	15	23.5	n
789	<i>Anon.</i>								
May 26	9.2	15	17	8.01	...	103	3	54.4	n
790	<i>Lacaille 6377.</i>								
June 20	7.8	15	18	58.01	5	130	11	6.3	n
791	<i>32 Librae γ'</i>								
Apl. 12	...	15	20	39.61	...	103	14	26.9	m
June 6	...		20	39.63	...		14	35.6	m
792	<i>W. B. E. XV. 395.</i>								
July 1	8.9	15	22	1.47	...	101	15	40.4	m

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.										
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>o.</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>o.</i>	<i>'</i>	<i>"</i>											
793 <i>R. P. L. 114—s.p.</i>																													
Nov. 14	...	15	22	3.90	3	2	15	14.0	x	803 <i>Anon.</i>																			
794 <i>Anon.</i>																													
May 16	8.5	15	22	28.39	...	125	10	22.6	x	804 <i>W. B. E. XV. 645.</i>																			
June 1	8.2	15	34	26.08	4	102	19	27.3	x	805 <i>W. B. E. XV. 675.</i>																			
June 3	8.8	15	35	59.71	5	102	41	38.7	x	806 <i>24 Serpentis a</i>																			
May 12	...	15	37	37.20	...	83	8	50.8	x	807 <i>Lalande 28787.</i>																			
13	...	37	37.25	...	...	8	50.9	x	808 <i>Lalande 28970.</i>																				
31	...	37	37.18	6	...	8	50.6	x	809 <i>7 Scorpii δ</i>																				
June 29	...	37	37.24	4	...	8	50.9	x	810 <i>W. B. E. XV. 1047.</i>																				
July 1	...	37	37.15	...	...	8	50.3	x	811 <i>8 Scorpii a¹</i>																				
795 <i>Anon.</i>																													
June 1	8.1	15	22	32.43	...	131	37	14.4	x	800 <i>5 Coronae Borealis α, Alpheta.</i>																			
July 14	9.3	15	24	5.56	5	101	28	42.5	x	801 <i>Anon.</i>																			
15	9.4	24	5.70	...	...	28	41.3	x	802 <i>Anon.</i>																				
796 <i>W. B. E. XV. 429.</i>																													
July 14	9.3	15	24	5.56	5	101	28	42.5	x	803 <i>Anon.</i>																			
15	9.4	24	5.70	...	...	28	41.3	x	804 <i>W. B. E. XV. 645.</i>																				
797 <i>Anon.</i>																													
June 29	9.3	15	24	37.32	...	130	9	9.0	x	805 <i>W. B. E. XV. 675.</i>																			
798 <i>38 Librae γ</i>																													
June 6	...	15	27	58.37	3	101	20	13.0	x	806 <i>24 Serpentis a</i>																			
799 <i>Anon.</i>																													
May 18	8.2	15	28	45.48	...	126	35	35.3	x	807 <i>Lalande 28787.</i>																			
800 <i>5 Coronae Borealis α, Alpheta.</i>																													
May 12	...	15	28	58.37	...	62	49	44.4	x	808 <i>Lalande 28970.</i>																			
13	...	28	58.27	...	...	49	45.6	x	809 <i>7 Scorpii δ</i>																				
June 3	...	28	58.33	...	...	49	44.1	x	810 <i>W. B. E. XV. 1047.</i>																				
12	...	28	58.45	...	...	49	44.7	x	811 <i>8 Scorpii a¹</i>																				
29	...	28	58.25	...	...	49	44.9	x	800 <i>5 Coronae Borealis α, Alpheta.</i>																				
July 3	...	28	58.33	...	...	49	44.1	x	801 <i>Anon.</i>																				
7	...	28	58.35	...	...	49	44.6	x	802 <i>Anon.</i>																				
801 <i>Anon.</i>																													
May 16	8.8	15	30	13.88	5	129	33	30.7	x	803 <i>Anon.</i>																			
802 <i>Anon.</i>																													
May 22	9.7	15	32	22.40	5	116	36	50.3	x	804 <i>W. B. E. XV. 645.</i>																			
803 <i>Anon.</i>																													
May 18	9.5	15	33	39.68	4	126	35	24.1	x	805 <i>W. B. E. XV. 675.</i>																			
804 <i>W. B. E. XV. 645.</i>																													
June 1	8.2	15	34	26.08	4	102	19	27.3	x	806 <i>24 Serpentis a</i>																			
805 <i>W. B. E. XV. 675.</i>																													
June 3	8.8	15	35	59.71	5	102	41	38.7	x	807 <i>Lalande 28787.</i>																			
806 <i>24 Serpentis a</i>																													
May 12	...	15	37	37.20	...	83	8	50.8	x	808 <i>Lalande 28970.</i>																			
13	...	37	37.25	...	...	8	50.9	x	809 <i>7 Scorpii δ</i>																				
31	...	37	37.18	6	...	8	50.6	x	810 <i>W. B. E. XV. 1047.</i>																				
June 29	...	37	37.24	4	...	8	50.9	x	811 <i>8 Scorpii a¹</i>																				
July 1	...	37	37.15	...	...	8	50.3	x	800 <i>5 Coronae Borealis α, Alpheta.</i>																				
807 <i>Lalande 28787.</i>																													
June 6	...	15	42	9.00	5	92	49	6.2	x	801 <i>Anon.</i>																			
808 <i>Lalande 28970.</i>																													
June 3	8.0	15	48	0.68	...	70	49	14.7	x	802 <i>Anon.</i>																			
809 <i>7 Scorpii δ</i>																													
May 10	...	15	53	21.24	...	112	14	5.0	x	803 <i>Anon.</i>																			
11	...	52	21.43	...	...	14	5.3	x	804 <i>W. B. E. XV. 645.</i>																				
810 <i>W. B. E. XV. 1047.</i>																													
May 29	5.0	15	55	59.39	...	91	16	20.3	x	805 <i>W. B. E. XV. 675.</i>																			
811 <i>8 Scorpii a¹</i>																													
May 10	...	15	57	35.40	...	100	25	5.2	x	806 <i>24 Serpentis a</i>																			
June 6	...	57	35.36	...	...	25	5.9	x	807 <i>Lalande 28787.</i>																				
July 1	...	57	35.45	...	...	25	5.2	x	808 <i>Lalande 28970.</i>																				
12	...	57	35.40	...	...	25	5.1	x	809 <i>7 Scorpii δ</i>																				

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>o.</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>o.</i>	<i>'</i>	<i>"</i>	
833 20 Ophiuchi.										843 Anon.									
May 11	5.3	16	42	22.03	...	100	32	29.5	x	June 19	5.0	16	55	53.67	...	130	54	47.5	x
12	...	42	21.18	...		32	29.3	x		July 21	9.0	55	53.37	4		54	45.3	x	
834 Anon.										844 O. A. S. 16288.									
June 19	8.2	16	44	28.76	...	131	1	85.5	x	July 29	8.0	16	56	31.41	...	119	50	13.0	x
835 Anon.										845 Taylor 7926.									
July 15	8.5	16	44	41.86	4	130	18	28.1	x	July 23	7.9	16	50	56.75	...	136	51	8.5	x
836 Taylor 7815.										846 22 Ursae Minoris ϵ —s.p.									
June 24	8.7	16	45	33.93	...	130	17	59.5	x	Jan. 10	...	16	59	54.98	2	7	44	45.0	x
July 27	8.0	45	33.81	...		17	59.6	x		Feb. 8	...	59	55.72	5		44	49.0	x	
837 Anon.										847 35 Ophiuchi γ									
June 19	9.3	16	47	7.56	...	130	59	43.1	x	May 11	...	17	2	38.62	...	105	33	17.0	x
838 Taylor 7832.										848 Lacaille 7168.									
June 24	9.0	16	47	32.91	4	130	17	36.1	x	June 20	7.8	17	4	40.16	5	125	7	46.6	x
July 24	8.0	47	32.63	...		17	35.8	x		July 27	8.0	4	39.85	5		7	46.9	x	
28	7.9	47	32.84	...		17	35.9	x											
839 27 Ophiuchi κ .										849 Anon.									
July 12	...	16	51	16.70	...	80	21	45.8	x	July 26	9.4	17	5	40.92	..	130	53	47.4	x
18	...	51	16.61	2		21	40.5	x											
21	...	51	16.70	...		21	45.9	x											
22	...	51	16.66	—		21	45.1	x											
840 Anon.										850 Anon.									
July 26	8.4	16	51	43.63	3	122	53	48.6	x	July 29	8.0	17	5	48.39	5	130	50	29.5	x
841 Anon.										851 Anon.									
July 31	8.6	16	52	0.46	4	122	53	57.6	x	May 12	8.5	17	6	15.23	3	137	25	6.5	x
842 O. A. S. 16233.										852 Anon.									
July 27	8.0	16	54	2.24	5	110	23	38.1	x	June 19	—	17	7	12.00	5	130	42	36.4	x

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		h.	m.	s.		°	'	"	
890 <i>3 Lyrae α, Vega.</i>									
July 29	...	18	32	22.09	..	51	20	26.8	W
31	...	32	22.06	...		20	26.0	W	
Aug. 5	...	32	22.06	4		20	25.5	W	
17	...	32	21.95	4		20	23.8	W	
23	...	32	21.92	...		20	25.2	W	
891 <i>Anon.</i>									
Aug. 2	9.0	18	34	43.07	...	136	44	54.6	W
892 <i>Lacaille 7832.</i>									
July 1	...	18	37	40.93	3	149	5	27.1	W
893 <i>10 Lyrae β, Var. 1.</i>									
Aug. 2	...	18	45	5.61	...	56	47	33.1	W
17	...	45	5.71	...		47	33.0	W	
18	...	45	5.68	...		47	33.4	W	
23	...	45	5.64	...		47	32.7	W	
26	...	45	5.58	...		47	32.2	W	
Sep. 5	...	45	5.79	..		47	33.2	W	
8	...	45	5.72	5		47	31.8	W	
894 <i>32 Sagittarii ν¹</i>									
May 13	...	18	46	1.11	5	112	54	28.3	W
895 <i>37 Sagittarii ξ[*]</i>									
May 13	...	18	40	40.47	...	111	16	52.6	W
896 <i>39 Sagittarii α</i>									
Sep. 1	...	18	56	35.28	5	111	56	9.3	W
897 <i>R. P. L. 131—s.p.</i>									
Mar. 2	...	18	58	31.56	2	3	27	54.2	W
898 <i>17 Aquilae γ</i>									
July 24	...	18	50	12.29	...	76	20	5.5	W
26	...	50	12.22	...		20	6.2	W	
28	...	50	12.21	5		20	5.4	W	
899 <i>Anon.</i>									
Aug. 18	...	18	59	12.17	...	76	20	6.5	W
23	...	59	12.23	5		20	6.2	W	
25	...	59	12.24	...		20	5.3	W	
26	...	59	12.23	...		20	6.0	W	
Sep. 8	...	59	12.02	...		20	5.5	W	
900 <i>Anon.</i>									
Aug. 2	8.5	19	9	25.66	...	120	47	3.0	W
901 <i>25 Aquilae α</i>									
July 26	...	19	11	28.73	...	73	38	44.4	W
28	...	11	28.67	...		38	43.9	W	
29	...	11	28.67	...		38	44.1	W	
Aug. 11	...	11	28.70	...		38	43.9	W	
26	...	11	28.70	...		38	43.7	W	
28	...	11	28.61	...		38	45.3	W	
Sep. 11	...	11	28.71	...		38	45.0	W	
902 <i>Anon.</i>									
Sep. 2	8.2	19	16	38.60	...	129	52	37.4	W
15	8.1	16	38.51	3		52	40.8	W	
903 <i>30 Aquilae δ</i>									
July 26	...	19	18	41.33	...	87	9	7.2	W
28	...	18	41.42	...		9	7.4	W	
31	...	18	41.40	...		9	7.7	W	
Aug. 3	...	18	41.45	4		9	6.9	W	
24	...	18	41.38	6		9	6.0	W	
25	...	18	41.41	...		9	7.4	W	
Sep. 1	...	18	41.31	...		9	6.3	W	
13	...	18	41.31	...		9	7.3	W	
904 <i>Taylor 8950.</i>									
Sep. 5	...	19	22	13.87	5	143	27	58.2	W
905 <i>Anon.</i>									
Sep. 2	8.5	19	25	0.13	...	129	55	47.4	W

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		h.	m.	s.		°	'	"	
906 51 <i>Sagittarii</i> h^1									
July 31	...	19	27	40.50	...	115	0	44.5	M
907 52 <i>Sagittarii</i> h^1									
Aug. 24	...	19	28	29.27	...	115	10	42.3	M
28	...		28	29.38	...		10	42.5	M
Sep. 1	...		28	29.28	...		10	42.7	M
8	...		28	29.29	...		10	43.4	M
15	...		28	29.25	...		10	42.7	M
908 55 <i>Sagittarii</i> e^2									
Sep. 1	...	19	34	47.60	...	106	26	15.4	M
2	...		34	47.59	...		26	13.1	M
909 50 <i>Aquilae</i> γ									
July 28	...	19	39	50.31	...	79	42	48.5	M
Aug. 18	...		39	50.36	...		42	49.6	M
25	...		39	50.30	...		42	48.0	M
28	...		39	50.32	...		42	49.2	M
Sep. 5	...		39	50.29	...		42	49.9	M
910 <i>S Vulpeculae</i> Var. 3.									
Sep. 1	9.0	19	42	51.64	...	63	2	52.5	M
911 53 <i>Aquilae</i> α , <i>Altair</i> .									
July 20	...	19	44	11.68	...	81	29	8.6	M
31	...		44	11.66	...		29	10.4	M
Aug. 24	...		44	11.65	...		29	8.1	M
Sep. 2	...		44	11.71	...		29	7.8	M
5	...		44	11.65	...		29	9.7	M
11	...		44	11.72	...		29	9.0	M
912 60 <i>Aquilae</i> β									
Aug. 25	...	19	48	40.80	...	83	55	41.1	M
Sep. 1	...		48	40.70	...		55	41.5	M
13	...		48	40.70	...		55	41.8	M
913 <i>Anon.</i>									
Sep. 2	9.1	19	53	5.44	5	147	10	40.9	M
914 <i>Anon.</i>									
Aug. 24	...	19	55	41.11	5	151	51	39.7	M
915 <i>Taylor</i> 9208.									
Sep. 11	...	19	55	45.70	...	122	25	56.3	M
916 <i>Anon.</i>									
Aug. 28	8.0	19	56	50.81	...	130	21	24.7	M
Sep. 1	9.2		56	50.86	5		21	22.8	M
12	9.0		56	50.84	3		21	21.3	M
917 λ <i>Ursae Minoris</i> —s.p.									
Jan. 21	...	19	59	9.43	1	1	5	44.0	M
Feb. 22	...		59	9.07	1		5	44.3	M
918 <i>O. A. N.</i> 20046.									
Aug. 28	9.3	20	2	40.71	5	32	23	22.0	M
919 <i>R Capricorni</i> Var. 1.									
Sep. 28	9.7	20	3	44.00	5	104	30	54.0	M
920 <i>R Delphini</i> Var. 2.									
Sep. 29	9.7	20	8	24.18	4	80	19	7.6	M
921 <i>O. A. S.</i> 20356.									
Sep. 13	7.9	20	8	24.25	5	110	23	57.1	M
922 6 <i>Capricorni</i> α^1									
Aug. 8	...	20	10	33.00	...	102	57	39.9	M
Sep. 1	...		10	33.61	...		57	38.0	M
2	...		10	33.06	...		57	39.0	M
5	...		10	33.47	...		57	38.9	M
11	...		10	33.59	...		57	39.4	M
12	...		10	33.65	...		57	37.8	M
14	...		10	33.72	...		57	40.0	M
16	...		10	33.69	...		57	39.3	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
h.	m.	s.				°	'	"	
923 <i>Anon.</i>									
Aug. 24	7.6	20	10	33.90	...	149	8	50.2	n
924 <i>Anon.</i>									
Aug. 28	8.0	20	11	18.74	5	106	16	33.2	n
925 <i>Lalande 39095.</i>									
July 28	8.4	20	14	44.33	...	106	15	18.3	m
Aug. 28	8.2		14	44.26	5		15	18.2	n
926 <i>α Pavonis.</i>									
Aug. 8		20	14	56.85	...	147	9	53.1	n
Sep. 16			14	56.79	4		9	51.4	n
927 <i>X Capricorni Var. 7.</i>									
Sep. 30	9.9	20	15	1.81	5	100	26	23.5	n
928 <i>Lalande 39125.</i>									
July 31	8.8	20	15	34.66	...	106	13	10.0	m
929 <i>Lacaille 8441.</i>									
Sep. 2	8.0	20	15	16.92	...	121	6	45.0	n
15	8.0		18	16.92	...		6	47.0	m
930 <i>11 Capricorni ρ</i>									
Sep. 11		20	21	9.27	...	108	15	28.0	m
12			21	9.36			15	26.1	m
14			21	9.22	...		15	27.1	m
16			21	9.31			15	26.9	n
21			21	9.34	5		15	26.3	n
931 <i>Anon.</i>									
Sep. 1	...	20	33	4.11	5	86	1	59.3	n
932 <i>Lalande 39225.</i>									
Aug. 29	8.0	20	24	59.94	...	86	2	18.9	n
933 <i>Anon.</i>									
Sep. 2	9.3	20	27	16.08	5	121	5	40.2	n
934 <i>Anon.</i>									
Aug. 21	9.5	20	30	57.55	4	149	55	10.7	n
935 <i>S Capricorni Var. 2.</i>									
Aug. 28	9.0	20	34	0.83	...	109	32	10.1	n
936 <i>Anon.</i>									
Sep. 23	8.9	20	35	59.94	1	123	58	17.3	n
937 <i>50 Cygni α, Deneb.</i>									
Sep. 5	...	20	36	49.84		45	12	3.0	m
12	...		36	49.75	...		12	3.0	m
13	...		36	49.82	...		12	3.4	m
14	...		36	49.77	...		12	3.1	m
15	...		36	49.81	...		12	1.6	m
938 <i>2 Aquarii ε</i>									
Sep. 2	...	20	40	21.03	...	100	59	15.9	n
939 <i>W. B. E. XX. 1024.</i>									
Sep. 25	9.3	20	40	56.30	...	105	24	5.0	n
940 <i>Anon.</i>									
Sep. 22	10.5	20	41	12.02	5	105	18	5.8	n
941 <i>T Aquarii Var. 4.</i>									
Sep. 1	9.5	20	42	48.61	...	95	38	44.6	n
942 <i>Lacaille 8571.</i>									
Aug. 24	...	20	42	58.06	...	150	13	43.6	n
943 <i>Anon.</i>									
Aug. 28	9.7	20	43	40.63	...	151	57	56.2	n
Sep. 29			43	40.91	...		57	55.6	n

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>s.</i>	<i>°</i>	<i>'</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>s.</i>	<i>°</i>	<i>'</i>	
944 <i>Taylor 9633.</i>										953 <i>Anon.</i>									
Sep. 11	7.2	20	41	37.31	5	101	56	33.1	M	Sep. 22	9.5	21	2	58.80	5	145	6	29.5	R
Oct. 4	7.6		41	37.47	...		56	34.8	M	954 <i>Lacaille 8712.</i>									
945 <i>Anon.</i>										Aug. 21		21	4	15.71	5	146	45	17.9	R
Sep. 23	...	20	47	40.96	...	149	1	3.4	R	Oct. 9	8.4		4	16.20	5		48	18.3	M
946 <i>32 Vulpeculae.</i>										10	8.0		4	15.87	...		48	18.3	M
Sep. 2	...	20	43	48.55	...	62	27	14.2	R	955 <i>64 Cygni 5</i>									
14	...		43	48.50	...		27	15.6	M	Sep. 21	...	21	7	11.34	5	69	19	30.9	R
15	...		43	48.25	...		27	15.1	M	23	...		7	11.36	...		19	32.5	R
16	...		43	48.27	...		27	16.8	R	29	...		7	11.32	...		19	33.8	R
21	...		43	48.31	...		27	14.3	R	Oct. 2	...		7	11.40	...		19	32.9	M
30	...		43	48.28	...		27	17.0	R	3	...		7	11.39	...		19	32.1	M
947 <i>Anon.</i>										956 <i>Anon.</i>									
Sep. 22	9.7	20	50	45.82	4	148	45	39.4	R	Sep. 25	10.5	21	8	20.18	4	110	40	43.3	R
948 <i>Lacaille 8630.</i>										957 <i>Anon.</i>									
Sep. 28	9.2	20	51	39.95	..	126	37	48.3	R	Aug. 23	9.7	21	11	4.97	5	120	31	41.9	R
29	...		51	40.28	5		37	49.6	R	Oct. 14	9.5		11	5.17	4		31	42.3	M
949 <i>Lacaille 8635.</i>										958 <i>Brisbane 7012.</i>									
Aug. 23	8.0	20	52	22.00	5	126	34	50.1	R	Oct. 12	7.9	21	14	9.52	...	151	45	46.1	M
Sep. 11	7.6		52	22.71	4		34	50.4	M	959 <i>T Capricorni Var 3.</i>									
950 <i>Anon.</i>										Aug. 24	8.0	21	14	28.91	...	105	39	55.4	R
Sep. 25	9.5	20	54	1.91	...	142	59	0.0	R	Sep. 23	9.5		14	28.77	5		39	56.6	R
951 <i>Taylor 9772.</i>										960 <i>Anon.</i>									
Aug. 8	8.0	21	0	31.56	5	145	7	3.2	M	Sep. 22	9.3	21	15	3.75	...	130	15	54.3	R
952 <i>61 Cygni 1st</i>										30	9.8		15	3.94	...		15	52.7	R
Sep. 21	...	21	0	50.00	...	51	54	45.0	R	Oct. 4	9.3		15	3.85	...		15	52.7	M
25	...		0	50.76	...		54	47.7	R	961 <i>5 Cephei α. Alderamin</i>									
29	...		0	50.00	5		54	47.4	R	Sep. 29	...	21	15	21.15	5	27	59	5.0	R
										29	...		15	21.22	...		50	5.2	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No of Wires	Mean Polar Distance 1865. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No of Wires	Mean Polar Distance 1865. ° ' "	Observer.
962	<i>Anon.</i>					971	<i>Taylor 10068.</i>				
Oct. 13	9.3	21 18 38.91		153 32 19.1	M	Oct. 4	7.6	21 34 24.78	4	134 6 27.0	M
963	<i>Taylor 9931.</i>					972	<i>Taylor 10065.</i>				
Sep. 11	6.9	21 18 46.01	...	142 33 8.1	M	Sep. 14	6.4	21 34 32.48	...	145 6 51.4	M
14	6.9	18 46.00		33 9.6	M						
964	<i>Anon.</i>					973	<i>Anon.</i>				
Sep. 25	9.2	21 20 10.09	...	150 47 50.0	M	Oct. 10	9.0	21 31 45.65	...	134 0 11.5	M
Oct. 14	8.0	20 10.31	...	47 31.9	M						
965	<i>Anon.</i>					974	<i>S Cephei Var. 3.</i>				
Sep. 2	9.3	21 23 1.29	...	110 7 12.0	R	Sep. 23	8.2	21 36 50.48	3	11 50 2.3	M
22	9.8	23 0.98	6	7 15.7	R	Oct. 9	8.0	36 50.88	...	50 1.8	M
						11	7.9	36 50.56	..	50 1.0	M
966	<i>22 Aquarii β</i>					975	<i>8 Pegasi ϵ</i>				
Sep. 6	...	21 24 27.05	...	90 9 49.4	M	Sep. 6	...	21 37 33.18		80 41 34.5	M
13	...	24 27.02	...	9 49.0	M	13	...	37 33.27	3	41 33.3	M
21	...	24 26.97		9 48.2	R	29	...	37 33.20	...	44 35.7	R
23	...	24 27.05	5	9 49.2	R	30	...	37 33.35	...	44 33.0	R
29	...	24 27.04	...	9 49.1	R						
Oct. 2	...	24 27.01	5	9 50.5	M	976	<i>μ Cephei Var. 1.</i>				
3	...	24 27.02	...	9 49.6	M	Oct. 2	6.4	21 39 22.67	5	31 50 19.5	M
967	<i>Anon.</i>					977	<i>Anon.</i>				
Oct. 4	8.2	21 25 53.37	...	140 23 11.1	M	Aug. 24	10.0	21 40 51.61	3	102 32 10.9	M
						Sep. 23	...	40 51.92	5	32 9.7	M
						25	10.0	40 51.94	5	32 7.2	M
968	<i>8 Cephei β</i>					978	<i>Taylor 10126.</i>				
Sep. 30		21 26 54.58	...	30 1 52.4	M	Oct. 12	7.0	21 41 3.49		137 14 9.7	M
969	<i>Anon.</i>					979	<i>Anon.</i>				
Sep. 23	9.0	21 29 32.90	4	131 2 16.0	M	Oct. 4	9.1	21 42 56.67		152 31 9.2	M
970	<i>Anon.</i>					980	<i>16 Pegasi.</i>				
Sep. 23	9.3	21 33 56.39	...	103 0 8.0	M	Sep. 22	...	21 46 55.29	5	61 42 34.0	M
25	9.5	33 56.37	5	0 6.6	M	24	—	46 55.17	..	42 32.6	M
						30	—	46 55.26	—	42 33.4	M

Separate Results of Madras Meridian Circle Observations in 1865

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance. 1865.			Observer.
		h.	m.	s.		°.	'.	"	
981 <i>Lacaille 8938.</i>									
Sep. 6	7.5	21	47	16.56	...	135	53	3.5	m
11	7.5		47	16.53	...		53	3.7	m
Oct. 14	7.9		47	16.76	...		53	3.2	m
982 <i>Anon.</i>									
Oct. 10	9.0	21	47	38.56	...	133	12	13.8	m
11	9.0		47	38.77	...		12	13.6	m
983 <i>Taylor 10190.</i>									
Oct. 9	7.0	21	51	10.22	3	146	31	39.7	m
12	6.3		51	10.13	...		31	40.1	m
984 <i>Anon.</i>									
Sep. 22	9.3	21	52	50.47	4	136	37	55.9	m
985 <i>Anon.</i>									
Sep. 23	9.3	21	53	54.17	...	150	49	0.7	m
986 <i>α Indi.</i>									
Sep. 6	6.5	21	56	20.61	5	150	17	16.4	m
13	6.4		56	20.58	...		17	16.0	m
Oct. 3	6.6		56	20.78	...		17	16.5	m
11	6.1		56	20.53	...		17	16.7	m
987 <i>Anon.</i>									
Oct. 10	7.7	21	58	15.84	4	136	2	16.7	m
14	8.0		58	15.94	...		2	17.9	m
988 <i>β Aquarii α</i>									
Sep. 22	...	21	58	50.50	...	90	58	29.6	m
25	...		58	50.55	...		58	29.1	m
Oct. 4	...		58	50.50	...		58	28.4	m
16	...		58	50.58	...		58	28.8	m
17	...		58	50.91	...		58	29.3	m
Nov. 1	...		58	50.98	...		58	29.1	m
989 <i>α Grus.</i>									
Sep. 30	...	31	30	42.04	...	137	36	45.7	m
990 <i>Anon.</i>									
Sep. 23	9.3	22	3	22.69	...	101	8	37.1	m
Oct. 13	9.7		3	22.93	5		8	37.3	m
991 <i>Anon.</i>									
Sep. 23	8.5	22	5	27.46	...	101	5	29.5	m
25	9.0		5	27.53	5		5	32.0	m
Oct. 4	9.1		5	27.57	...		5	30.2	m
992 <i>W. B. E. XXII. 98.</i>									
Sep. 6	8.0	22	6	24.50	...	90	25	28.8	m
23	7.8		6	24.95	...		25	30.7	m
993 <i>Anon.</i>									
Oct. 11	8.0	22	9	12.00	...	146	27	1.5	m
12	8.9		9	12.07	...		27	1.2	m
994 <i>43 Aquarii θ</i>									
Sep. 7	...	22	9	42.34	3	98	27	16.1	m
11	...		9	42.47	4		27	15.8	m
25	...		9	42.62	5		27	16.0	m
30	...		9	42.49	5		27	15.1	m
Oct. 2	...		9	42.44	5		27	17.4	m
9	...		9	42.50	...		27	15.7	m
16	...		9	42.47	...		27	16.7	m
17	...		9	42.40	...		27	16.3	m
18	...		9	42.44	...		27	16.1	m
Nov. 1	...		9	42.40	5		27	16.1	m
995 <i>Anon.</i>									
Oct. 10	7.5	22	12	31.15	...	120	37	32.3	m
14	7.9		12	31.13	...		37	32.1	m
996 <i>Anon.</i>									
Oct. 12	9.0	22	13	13.22	...	146	29	18.1	m
997 <i>Anon.</i>									
Sep. 6	8.7	22	15	23.71	3	83	47	7.5	m
28	8.8		15	23.94	...		47	7.0	m

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.	No. of Wires	Mean Polar Distance 1865.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.	No. of Wires	Mean Polar Distance 1865.	Observer.
998	<i>Anon.</i>					1008	<i>62 Aquarii 7</i>				
Oct. 16	10.2	22 16 25.4	3	82 42 16.1	n	Sep. 5	...	22 23 25.05	...	90 48 45.6	m
999	<i>Anon.</i>					7	...	23 25.05	5	49 45.1	m
Oct. 4	9.5	22 16 55.00	5	135 58 6.5	m	22	...	23 24.96	...	49 46.6	n
13	9.5	16 55.23	...	58 6.9	m	23	...	23 25.11	...	49 46.7	n
1000	<i>Anon.</i>					25	...	23 25.03	...	49 46.0	n
Oct. 11	9.3	22 18 54.56	5	140 45 27.7	m	Oct. 4	...	23 25.11	...	49 45.0	m
1001	<i>55 Aquarii 5—1st.</i>					13	...	23 25.13	...	49 44.2	m
Nov. 1	...	22 21 52.66	...	90 42 34.8	m	17	...	23 25.02	...	49 46.1	n
1002	<i>55 Aquarii 3—2nd.</i>					23	...	23 25.10	...	49 45.3	n
Oct. 9	...	22 21 52.94	3	90 42 39.3	m	1009	<i>T Aquarii Var. 3.</i>				
12	...	21 52.81	...	42 38.5	m	Sep. 2	10.0	22 23 48.24	...	98 18 15.2	n
Nov. 3	...	21 52.67	...	42 38.1	m	23	10.5	23 48.45	3	18 12.5	n
1003	<i>Anon.</i>					1010	<i>Lacaille 9188.</i>				
Sep. 30	9.0	22 21 54.59	...	100 37 29.7	n	Sep. 30	7.0	22 29 57.42	4	130 33 24.6	n
1004	<i>57 Aquarii 6</i>					1011	<i>Taylor 10477.</i>				
Aug. 8	5	22 23 30.01	5	101 23 6.2	n	Oct. 11	6.3	22 32 11.34	5	148 7 30.5	m
Oct. 2	...	23 30.05	...	23 5.6	m	Nov. 1	...	32 11.33	...	7 32.3	m
1005	<i>R. P. L. 150.</i>					1012	<i>Anon.</i>				
Sep. 13	...	22 23 35.27	3	4 34 23.8	m	Oct. 12	9.0	22 34 16.10	...	155 31 2.0	m
Oct. 14	...	23 34.21	3	34 24.0	m	14	9.0	34 16.13	5	31 0.4	m
<i>R. P. L. 150.—s.p.</i>						1013	<i>42 Pegasi 3</i>				
Mar. 23	...	22 23 34.60	3	4 34 22.0	n	Sep. 6	...	22 34 43.84	...	79 52 22.7	m
1006	<i>Anon.</i>					7	...	34 43.72	...	52 21.9	m
Oct. 10	9.3	22 24 21.48	...	135 41 51.5	m	22	...	34 43.67	...	52 22.3	n
1007	<i>Anon.</i>					23	...	34 43.70	...	52 20.0	n
Sep. 6	8.0	22 25 53.73	...	141 29 56.3	m	Oct. 4	...	34 43.85	...	52 21.7	m
Oct. 18	...	25 55.97	...	29 56.3	n	9	...	34 43.80	...	52 22.3	m
1014	<i>Anon.</i>					10	...	34 43.74	...	52 21.9	m
Oct. 27	9.1	22 36 34.00	...	130 26 28.6	n	16	...	34 43.67	...	52 22.0	n
						18	...	34 43.68	...	52 21.4	n
						26	...	34 43.76	...	52 20.4	n
						Nov. 3	...	34 43.74	...	52 22.1	m

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires	Mean Polar Distance 1865.			Observer.
		A.	m.	s.		°	'	"	
1015 <i>Lacaille 9226.</i>									
Sep. 2	7.0	22	37	42.80	5	145	46	18.9	n
1016 <i>Anon.</i>									
Oct. 13	8.9	22	40	55.86	...	142	37	41.4	n
1017 <i>Anon.</i>									
Sep. 23	9.0	22	44	44.86	5	130	0	58.6	n
Oct. 3	8.0		44	45.15	...		0	58.4	n
4	8.0		44	45.04	...		0	59.2	n
1018 <i>Anon.</i>									
Oct. 11	9.6	22	44	47.73	...	145	32	43.8	n
16	9.6		44	47.71	...		32	44.5	n
1019 <i>Anon.</i>									
Sep. 25	9.0	22	44	54.19	4	143	34	13.0	n
1020 <i>Anon.</i>									
Oct. 13	9.0	22	40	16.76	...	135	27	35.6	n
1021 <i>24 Piscis Australis α, Fomalhaut.</i>									
Oct. 23	...	22	50	11.10	...	120	30	14.4	n
26	...		50	11.14	...		30	14.1	n
28	...		50	11.18	...		30	13.8	n
1022 <i>Anon.</i>									
Oct. 27	8.9	22	50	22.76	...	110	50	46.0	n
Nov. 8	7.3		50	22.82	...		50	44.3	n
1023 <i>Anon.</i>									
Sep. 23	9.3	22	51	29.73	5	151	32	57.9	n
Oct. 16	9.0		51	30.11	5		32	58.2	n
1024 <i>Lacaille 9353.</i>									
Oct. 3	6.5	22	56	30.82	...	144	41	17.7	n
9	6.6		56	30.75	..		41	18.4	n
1025 <i>54 Pegasi α, Markab.</i>									
Sep. 13	...	22	53	2.21	5	75	31	15.5	n
23	...		53	2.13	...		31	15.3	n
25	...		53	2.10	...		31	15.9	n
26	...		53	2.24	...		31	15.9	n
Oct. 11	...		53	2.15	...		31	15.2	n
12	...		53	2.83	...		31	14.6	n
14	...		53	2.38	...		31	14.7	n
18	...		53	2.22	...		31	14.6	n
23	...		53	2.18	...		31	14.4	n
24	...		53	2.29	...		31	15.0	n
26	...		53	2.14	...		31	15.8	n
31	...		53	2.20	...		31	16.4	n
1026 <i>Anon.</i>									
Oct. 13	8.9	22	50	24.02	...	150	21	47.5	n
Nov. 11	8.3		50	23.77	5		21	47.0	n
1027 <i>R Pegasi Var. 2.</i>									
Sep. 23	10.2	22	50	52.25	5	80	11	7.8	n
29	9.8		50	52.31	...		11	9.4	n
Oct. 16	10.5		50	52.12	5		11	7.8	n
1028 <i>Anon.</i>									
Sep. 23	9.7	23	4	21.80	4	130	43	50.1	n
Oct. 27	9.5		4	21.95	...		43	53.8	n
1029 <i>Lacaille 9394.</i>									
Oct. 9	8.0	23	5	13.56	...	145	50	21.0	n
Nov. 10	8.0		5	13.42	...		50	19.3	n
1030 <i>Lacaille 9405.</i>									
Oct. 14	8.0	23	7	30.05	5	150	25	40.5	n
23	8.0		7	30.15	...		25	45.2	n
1031 <i>Anon.</i>									
Nov. 13	8.8	23	9	11.74	4	150	30	50.3	n
1032 <i>Lacaille 9423.</i>									
Nov. 15	7.0	23	9	53.97	5	151	44	15.2	n

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1865.			No. of Wires.	Mean Polar Distance 1865.			Observer.	
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>o.</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>o.</i>	<i>'</i>	<i>"</i>		
Oct. 9	...	23	33	0 29	...	85	6	19.3	M	1056		<i>Anon.</i>								
14	...		33	0 31	...		6	19.6	M	Sep. 26	9.3	23	50	0 41	...	148	53	5.7	M	
16	...		33	0 38	...		6	19.3	M	Oct. 27	8.8		50	0 41	5		53	4.5	M	
23	...		33	0 43	...		6	19.3	M	1057		<i>Anon.</i>								
25	...		33	0 38	...		6	18.7	M	Oct. 5	8.8	23	51	48.58	...	152	50	18.6	M	
27	...		33	0 34	...		6	18.7	M	1058		<i>28 Piscium</i>								
31	...		33	0 42	...		6	19.6	M	Oct. 3	...	23	52	22.78	...	53	53	3.0	M	
Nov. 8	...		33	0 48	...		6	17.9	M	4	...		52	22.73	...		53	2.4	M	
1049 <i>Lacaille 9583.</i>										9	...		56	22.79	...		53	2.9	M	
Oct. 18	...	23	38	53.88	...	123	43	33.1	M	10	...		53	22.80	...		53	3.8	M	
1050 <i>19 Piscium.</i>										11	...		52	22.87	...		53	3.6	M	
Sep. 5	...	23	39	29.57	...	87	15	43.2	M	12	...		52	22.73	...		53	2.4	M	
6	...		39	29.53	...		15	41.0	M	23	...		52	22.80	...		53	3.8	M	
1051 <i>Anon.</i>										31	...		52	22.80	...		53	4.7	M	
Oct. 18	...	23	41	7.84	...	128	46	20.3	M	Nov. 10	...		53	22.77	...		53	3.4	M	
1052 <i>δ Sculptoris.</i>										1059 <i>Lacaille 9686.</i>										
Oct. 5	...	23	41	53.39	...	118	52	37.3	M	Sep. 30	7.0	23	53	83.67	...	143	50	50.2	M	
25	...		41	53.41	...		52	37.0	M	1060		<i>Anon.</i>								
27	...		41	53.35	6		52	36.4	M	Sep. 22	9.5	23	56	1.49	...	130	16	41.6	M	
Nov. 10	...		41	53.31	...		52	37.0	M	Nov. 11	9.0		56	1.51	...		16	41.6	M	
13	...		41	53.38	...		52	36.9	M	1061		<i>Anon.</i>								
1053 <i>Anon.</i>										Oct. 24	...	23	56	10.83	...	134	7	26.3	M	
Nov. 11	8.7	23	42	6.83	...	150	40	37.0	M	Nov. 8	8.0		56	10.78	5		7	25.6	M	
1054 <i>Lalande 46650.</i>										1062 <i>Taylor 10994.</i>										
Sep. 30	9.3	23	43	9.30	...	88	18	53.8	M	Sep. 26	9.0	23	57	50.35	...	147	35	41.2	M	
Oct. 2	9.3		43	9.14	...		18	54.8	M	Oct. 13	8.0		57	50.70	...		35	42.4	M	
34	9.3		43	9.08	...		18	55.7	M	27	8.2		57	50.47	...		35	39.3	M	
Nov. 8	9.3		43	9.05	...		18	53.7	M	1063		<i>Lacaille 9721.</i>								
1055 <i>Anon.</i>										Sep. 23	6.3	23	59	18.90	...	130	40	34.1	M	
Sep. 23	9.5	23	47	46.65	5	128	50	37.5	M	Oct. 10	6.9		59	19.11	...		40	34.1	M	

MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1865

REDUCED TO JANUARY 1, OF THAT YEAR.

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimation.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
1	Taylor 11011	7.0	1	0	0	31.84	147	35	17.4	1	0.82
2	... ..	9.0	4	0	0	45.00	151	23	33.0	4	0.85
3	21 Androm. α (<i>Alpherat</i>)...	2.0	...	0	1	24.84	61	39	15.6	4	0.84
4	Lacaille 9739	7.6	1	0	2	7.30	130	29	19.0	1	0.78
5	Taylor 7	7.1	1	0	3	0.31	93	18	45.0	1	0.80
6	Lacaille 9757	7.8	3	0	4	28.20	131	7	27.6	3	0.77
7	Lacaille 3	6.7	1	0	6	9.36	148	39	55.7	1	0.86
8	... ..	9.1	2	0	6	14.27	131	7	58.4	2	0.74
9	68 Pegasi γ (<i>Algenib</i>) ..	3.0	...	0	6	17.16	75	24	2.3	7	0.82
10	... ..	9.3	3	0	6	41.54	131	6	42.3	3	0.76
11	... ..	8.9	...	0	9	25.81	149	31	30.3	1	0.79
12	... ..	9.1	2	0	9	36.23	153	54	49.0	2	0.78
13	... ..	8.6	3	0	10	37.71	152	0	33.7	3	0.84
14	Lacaille 41	8.0	1	0	12	36.74	130	51	42.8	1	0.87
15	41 Piscium δ	5.6	...	0	13	39.14	82	33	35.3	3	0.81
16	Lacaille 61	7.0	1	0	16	5.66	130	0	38.5	1	0.86
17	R Andromedæ Var. 1 ...	6.7	3	0	16	54.58	52	10	15.8	3	0.91
18	... ..	9.5	1	0	17	40.60	149	34	51.7	1	0.82
19	... ..	9.1	2	0	18	33.95	152	57	18.5	2	0.87
20	Lacaille 81	7.3	3	0	18	41.31	130	0	20.1	4	0.81
21	10 Ceti	6.7	...	0	19	42.00	90	47	53.7	1	0.91
22	12 Ceti	5.4	...	0	23	8.05	94	42	14.1	11	0.85
23	... ..	7.7	2	0	27	10.97	76	13	45.1	2	0.81
24	Lacaille 132	9.0	...	0	27	21.46	151	53	37.1	1	0.79
25	Lalande 970	7.0	4	0	31	7.83	80	54	40.0	4	0.81
26	... ..	8.2	3	0	31	29.36	82	29	2.2	3	0.89
27	Lalande 1010	9.0	1	0	32	18.53	82	32	6.9	1	0.81
28	13 Cassiopeiæ Var. 2 ...	2.2	...	0	32	51.73	34	12	14.6	2	0.86
29	... ..	9.3	1	0	35	1.75	83	28	34.8	1	0.81
30	16 Ceti β	2.1	..	0	36	48.65	108	43	42.0	7	0.87
31	W. R. E. O. 628	9.3	...	0	36	57.06	93	40	9.6	1	0.79
32	W. R. E. O. 705	7.9	1	0	41	11.31	94	26	57.2	1	0.93
33	Taylor 235	5.7	1	0	41	18.18	85	24	52.3	1	0.86
34	63 Piscium δ	4.6	1	0	41	40.84	83	9	1.1	2	0.75
35	W. R. E. O. 716	9.2	2	0	41	44.56	94	36	30.0	2	0.84

17.—R Andromedæ Var. 1.—Period 406 days.—Range, 6th to 13th magnitude.

25.—27.—Comparison stars for Ariadne in 1861.

28.—13 Cassiopeiæ Var. 2 (*Shedir*).—Irregular, Range, 2.2 to 2.9 magnitude.

31.—32.—35.—Comparison stars for Europa in 1861.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
1	Taylor 11010...	+ 3.0672	- 0.0452	...	- 20.055	+ 0.010	...	8377
2	... ..	+ 3.0641	- 0.0526	...	- 20.055	+ 0.010	...	...
3	21 Andromedæ a	+ 3.0765	+ 0.0182	+ 0.009	- 20.055	+ 0.013	+ 0.15	4
4	Lacaille 9739	+ 3.0615	- 0.0233	...	- 20.054	+ 0.013	...	...
5	Taylor 7	+ 3.0711	+ 0.0004	...	- 20.053	+ 0.015	...	12
6	Lacaille 9757	+ 3.0493	- 0.0236	...	- 20.051	+ 0.018	...	22
7	Lacaille 3	+ 3.0131	- 0.0440	...	- 20.048	+ 0.021	...	...
8	... ..	+ 3.0403	- 0.0233	...	- 20.048	+ 0.021	...	...
9	SS Pegasi γ (Algenib)	+ 3.0814	+ 0.0100	0.000	- 20.048	+ 0.022	+ 0.02	26
10	... ..	+ 3.0380	- 0.0232	...	- 20.046	+ 0.022	...	...
11	... ..	+ 2.9786	- 0.0452	...	- 20.039	+ 0.027	...	...
12	... ..	+ 2.9578	- 0.0540	...	- 20.037	+ 0.027	...	...
13	... ..	+ 2.9555	- 0.0498	...	- 20.034	+ 0.029	...	...
14	Lacaille 41	+ 3.0085	- 0.0221	...	- 20.024	+ 0.033	...	...
15	41 Piscium d	+ 3.0825	+ 0.0066	- 0.002	- 20.019	+ 0.036	- 0.01	66
16	Lacaille 61	+ 2.9933	- 0.0200	...	- 20.006	+ 0.040	...	...
17	R Andromedæ Var. 1.	+ 3.1486	+ 0.0271	...	- 20.000	+ 0.043	...	...
18	... ..	+ 2.8966	- 0.0419	...	- 19.995	+ 0.042	...	...
19	... ..	+ 2.8601	- 0.0472	...	- 19.989	+ 0.043	...	...
20	Lacaille 81	+ 2.9807	- 0.0205	...	- 19.980	+ 0.044	...	...
21	10 Ceti	+ 3.0705	+ 0.0026	+ 0.005	- 19.981	+ 0.047	+ 0.03	95
22	12 Ceti	+ 3.0609	+ 0.0008	- 0.002	- 19.954	+ 0.053	+ 0.01	112
23	... ..	+ 3.1109	+ 0.0109	...	- 19.914	+ 0.063	...	...
24	Lacaille 132	+ 2.7741	- 0.0413	...	- 19.912	+ 0.057	...	...
25	Lalande 970	+ 3.1011	+ 0.0085	...	- 19.870	+ 0.070	...	...
26	... ..	+ 3.0963	+ 0.0076	...	- 19.866	+ 0.071	...	...
27	Lalande 1010	+ 3.0968	+ 0.0076	...	- 19.855	+ 0.072	...	...
28	19 Cassiopeiæ a Var. 2.	+ 3.3531	+ 0.0553	+ 0.006	- 19.849	+ 0.080	+ 0.04	160
29	... ..	+ 3.0954	+ 0.0073	...	- 19.821	+ 0.078	...	...
30	16 Ceti β	+ 2.9966	- 0.0055	+ 0.013	- 19.797	+ 0.080	- 0.02	196
31	W. B. E. O. 628	+ 3.0578	+ 0.0020	...	- 19.795	+ 0.080	...	...
32	W. B. E. O. 705	+ 3.0536	+ 0.0019	...	- 19.781	+ 0.087	...	...
33	Taylor 235	+ 3.0913	+ 0.0066	...	- 19.730	+ 0.080	...	221
34	63 Piscium β	+ 3.1011	+ 0.0077	+ 0.003	- 19.724	+ 0.090	+ 0.05	222
35	W. B. E. O. 716	+ 3.0520	+ 0.0018	...	- 19.723	+ 0.088	...	...

22. —Proper motions from "Greenwich Catalogue, 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
36	... ..	9.2	1	0	42	58.13	80	4	1.4	2	0.84
37	... ..	9.0	1	0	47	39.53	153	39	57.1	1	0.84
38	λ^1 Toucani ...	6.2	3	0	48	0.22	153	36	21.0	3	0.80
39	... ..	9.1	2	0	48	57.82	133	46	56.0	2	0.81
40	Lacaille 264 ...	7.9	1	0	50	47.26	154	41	46.1	1	0.63
41	2 Ursæ Minoris ..	4.5	...	0	50	51.64	4	28	8.9	1	0.81
42	W. B. E. O. 897 ...	9.2	1	0	52	15.52	92	49	38.7	1	0.91
43	Lacaille 271 ...	7.4	2	0	52	44.03	151	25	38.3	2	0.89
44	70 Piscium ...	6.9	1	0	55	5.80	82	47	18.3	3	0.83
45	71 Piscium ϵ ...	4.5	...	1	55	56.30	82	50	15.3	13	0.84
46	... ..	8.0	3	1	5	48.39	129	52	43.7	3	0.92
47	86 Piscium 3, 1st... ..	5.4	...	1	6	40.76	53	8	22.6	4	0.83
48	... ..	8.0	2	1	7	28.42	152	59	45.1	2	0.93
49	1 Ursæ Minoris α (Polaris)	2.2	...	1	9	37.58	1	24	38.2	11	0.58
50	... ..	9.7	3	1	10	11.68	81	40	26.5	3	0.85
51	... ..	8.3	3	1	10	21.74	153	51	45.4	3	0.83
51	... ..	9.1	1	1	12	16.44	152	17	16.2	1	0.96
53	... ..	8.0	2	1	17	3.18	96	31	5.8	2	0.90
54	45 Ceti θ^1 ...	3.8	...	1	17	16.49	98	52	52.9	6	0.91
55	... ..	7.9	1	1	18	55.35	151	20	5.0	1	0.93
56	... ..	8.4	1	1	23	31.24	87	43	40.2	1	0.76
57	... ..	10.0	1	1	24	2.87	90	5	55.3	1	0.87
58	99 Piscium η ...	4.5	...	1	24	15.77	75	21	6.2	9	0.90
59	... ..	9.1	3	1	29	3.30	150	42	16.2	3	0.80
60	α Eridani (Achernar) ...	1.0	...	1	32	41.15	147	55	26.6	5	0.88
61	103 Piscium ν ..	4.7	...	1	34	24.43	85	11	49.3	9	0.80
62	Lacaille 503 ...	7.9	1	1	35	45.40	151	41	1.1	1	0.96
63	Lacaille 507 ...	6.7	1	1	37	10.69	151	28	14.2	1	0.84
64	... ..	9.0	1	1	38	35.54	152	2	36.6	1	0.76
65	Lacaille 516 ..	7.1	1	1	40	0.38	151	41	50.0	1	0.98
66	Taylor 500 ...	5.9	...	1	41	26.60	86	59	23.3	1	0.83
67	... ..	9.3	2	1	41	59.44	130	14	56.4	2	0.89
68	V Piscium Var. 5 .	10.3	1	1	47	10.43	81	52	59.0	1	0.81
69	6 Arietis β ...	2.8	...	1	47	11.21	69	51	13.6	8	0.92
70	Lacaille 582 ...	7.4	1	1	50	56.82	145	44	4.0	3	0.87

41.—R. P. L. 12.

42.—Comparison star for Europa in 1862.

57.—Comparison star for Thetis in 1863.

68.—V Piscium Var. 5.—Supposed to vary between the 6th and 9th magnitudes.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
36	.. ..	+ 3.0762	+ 0.0048	...	- 19.703	+ 0.092	...	..
37	.. ..	+ 2.5146	- 0.0328	...	- 19.623	+ 0.084	...	..
38	λ^1 Toucani ..	+ 2.5120	- 0.0327	...	- 19.616	+ 0.084	...	251
39	.. ..	+ 2.8004	- 0.0183	...	- 19.599	+ 0.095	...	..
40	Lacaille 264 ..	+ 2.4505	- 0.0318	...	- 19.565	+ 0.087	...	..
41	γ Ursæ Minoris ..	+ 6.8370	+ 1.2896	+ 0.065	- 19.563	+ 0.230	+ 0.01	262
42	W. B. E. O. 697 ..	+ 3.0572	+ 0.0034	...	- 19.536	+ 0.109	..	..
43	Lacaille 271 ..	+ 2.5120	- 0.0289	...	- 19.527	+ 0.092	...	276
44	γ Piscium ..	+ 3.1126	+ 0.0086	- 0.008	- 19.478	+ 0.116	+ 0.17	281
45	γ Piscium ..	+ 3.1123	+ 0.0087	- 0.002	- 19.461	+ 0.119	0.00	288
46	.. ..	+ 2.7557	- 0.0135	...	- 19.234	+ 0.122	...	..
47	δ Piscium 3, 1st ..	+ 3.1182	+ 0.0090	+ 0.008	- 19.212	+ 0.139	+ 0.07	368
48	.. ..	+ 2.3108	- 0.0225	..	- 19.192	+ 0.106	...	..
49	δ Urs. Min. α (Polaris.)	+ 19.3212	+ 13.4056	+ 0.065	- 19.136	+ 0.851	0.00	360
50	.. ..	+ 3.1300	+ 0.0099	...	- 19.121	+ 0.146	...	..
51	.. ..	+ 2.2487	- 0.0209	...	- 19.117	+ 0.107	...	..
52	.. ..	+ 2.2827	- 0.0203	...	- 19.066	+ 0.111	...	..
53	.. ..	+ 3.0217	+ 0.0028	...	- 18.931	+ 0.163	...	..
54	45 Ceti θ^1 ..	+ 3.0029	+ 0.0018	- 0.007	- 18.926	+ 0.164	+ 0.22	420
55	.. ..	+ 2.2465	- 0.0178	...	- 18.878	+ 0.119	...	..
56	.. ..	+ 3.0910	+ 0.0073	...	- 18.738	+ 0.169	...	..
57	.. ..	+ 3.0705	+ 0.0063	...	- 18.721	+ 0.170	..	..
58	δ Piscium γ ..	+ 3.1976	+ 0.0141	0.000	- 18.715	+ 0.177	0.00	453
59	.. ..	+ 2.1693	- 0.0135	...	- 18.660	+ 0.128	..	..
60	α Eridani (Achernar)	+ 2.2327	- 0.0128	+ 0.008	- 18.438	+ 0.187	+ 0.07	507
61	δ Piscium ν ..	+ 3.1178	+ 0.0091	- 0.004	- 18.378	+ 0.191	- 0.04	518
62	Lacaille 503 ..	+ 2.0653	- 0.0104	...	- 18.330	+ 0.130	-	..
63	Lacaille 507 ..	+ 2.0002	- 0.0090	...	- 18.279	+ 0.132	..	531
64	.. ..	+ 2.0215	- 0.0080	...	- 18.228	+ 0.131	...	..
65	Lacaille 516 ..	+ 2.0227	- 0.0085	...	- 18.176	+ 0.133	-	543
66	Taylor 590 ..	+ 3.1022	+ 0.0083	...	- 18.122	+ 0.202	...	551
67	.. ..	+ 2.5840	- 0.0084	...	- 18.102	+ 0.170	-	..
68	γ Piscium Var. 6 ..	+ 3.1581	+ 0.0111	...	- 17.903	+ 0.216	..	..
69	δ Arietis β ..	+ 3.2962	+ 0.0183	+ 0.003	- 17.902	+ 0.226	+ 0.11	577
70	Lacaille 582 ..	+ 2.1587	- 0.0061	...	- 17.751	+ 0.166	..	..

44.—Proper motion in Polar Distance from "Greenwich Catalogue 1872."

47.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
71	Lacaille 593	8.2	3	1	52	4.64	149	7	55.2	3	0.85
72	... ..	8.1	1	1	54	55.60	130	55	24.3	1	0.87
73	Taylor 673... ..	6.4	3	1	56	18.61	72	23	50.0	3	0.02
74	... ..	9.7	1	1	59	25.02	150	2	15.7	1	0.81
75	13 Arietis *	2.0	...	1	59	34.07	67	10	41.0	11	0.91
76	Lacaille 630	6.0	3	1	59	50.87	145	31	43.2	3	0.85
77	... ..	9.3	1	2	1	5.29	149	43	46.2	1	0.82
78	Taylor 697... ..	7.0	1	2	1	47.04	145	43	42.1	1	0.76
79*	65 Ceti ξ^1	4.4	...	2	5	50.79	81	47	17.4	4	0.84
80	Lacaille 677	7.9	3	2	6	57.69	149	47	19.3	3	0.81
81	... ..	9.5	2	2	7	0.84	148	30	13.8	2	0.59
82	Taylor 754	8.6	3	2	9	13.79	147	53	36.9	3	0.91
83	67 Ceti	5.5	...	2	10	15.02	97	2	46.2	12	0.85
84	... ..	9.6	3	2	14	0.04	148	26	40.3	3	0.85
85	... ..	7.8	1	2	16	25.28	161	18	7.1	1	0.87
86	Taylor 818... ..	8.1	2	2	19	10.04	147	25	43.6	2	0.85
87	... ..	8.9	1	2	20	12.60	146	33	26.1	1	0.92
88	73 Ceti ξ^3	4.4	...	2	20	59.00	82	8	49.0	11	0.82
89	λ Horologii	6.1	2	2	21	7.85	150	55	5.0	2	0.94
90	... ..	9.2	1	2	24	16.73	152	35	21.9	1	0.91
91	... ..	8.2	3	2	24	30.03	147	2	20.4	3	0.95
92	Lacaille 782	7.0	2	2	26	14.84	148	24	30.7	2	0.90
93	... ..	9.8	1	2	29	12.85	147	37	13.9	1	0.96
94	... ..	10.2	3	2	29	16.22	85	0	19.8	3	0.91
95	W. B. N. II. 556... ..	8.2	8	2	33	13.53	74	53	43.2	3	0.91
96	... ..	8.8	1	2	34	2.15	74	56	17.2	1	0.96
97	Lacaille 849, (2nd) ..	8.0	4	2	36	7.14	150	8	50.4	4	0.71
98	86 Ceti γ	3.8	...	2	36	18.44	87	20	7.7	9	0.95
99	Lacaille 868	8.0	1	2	38	34.50	147	12	55.3	1	0.87
100	W. B. N. II. 676... ..	7.9	1	2	40	11.43	75	20	8.4	1	0.92
101	... ..	8.0	1	2	43	10.64	148	0	22.9	1	0.84
102	W. B. N. II. 733... ..	8.8	3	2	43	22.45	76	1	50.9	3	0.63
103	... ..	9.2	1	2	44	30.97	148	13	37.2	1	0.95
104	... ..	9.8	1	2	45	15.82	76	27	40.0	1	0.96
105	Taylor 969... ..	7.2	1	2	45	40.82	74	4	13.0	1	0.96

95.—100.—102.—105.—Comparison stars for Victoria in 1961.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
71	Lacaille 693 ...	+ 2.0213	- 0.0061	...	- 17.704	+ 0.147	...	...
72	... ..	+ 2.6150	- 0.0009	...	- 17.586	+ 0.184	...	...
73	Taylor 673 ...	+ 3.2783	+ 0.0167	...	- 17.527	+ 0.269	...	632
74	... ..	+ 1.9175	- 0.0081	...	- 17.393	+ 0.146	...	...
75	13 Arietis α ..	+ 3.3525	+ 0.0203	+ 0.012	- 17.357	+ 0.252	+ 0.15	648
76	Lacaille 630 ...	+ 2.0095	- 0.0069	...	- 17.375	+ 0.160	...	...
77	... ..	+ 1.9137	- 0.0028	...	- 17.321	+ 0.148	...	...
78	Taylor 697 ...	+ 2.0777	- 0.0053	...	- 17.289	+ 0.161	...	659
79	65 Ceti ξ^1 ...	+ 3.1728	+ 0.0116	- 0.004	- 17.106	+ 0.249	+ 0.04	684
80	Lacaille 677 ...	+ 1.8641	- 0.0011	...	- 17.055	+ 0.160	...	...
81	... ..	+ 1.9160	- 0.0021	...	- 17.054	+ 0.154	...	...
82	Taylor 754 ...	+ 1.9206	- 0.0021	...	- 16.950	+ 0.157	...	...
83	67 Ceti ...	+ 2.9831	+ 0.0049	+ 0.003	- 16.902	+ 0.242	+ 0.14	704
84	... ..	+ 1.8704	- 0.0005	...	- 16.723	+ 0.158	...	...
85	... ..	+ 1.7026	+ 0.0036	...	- 16.606	+ 0.146	...	...
86	Taylor 818 ...	+ 1.8778	- 0.0001	...	- 16.470	+ 0.163	...	753
87	... ..	+ 1.9102	- 0.0005	...	- 16.418	+ 0.167	...	...
88	73 Ceti ξ^3 ...	+ 3.1784	+ 0.0117	+ 0.001	- 16.380	+ 0.276	+ 0.02	760
89	λ Horologii ...	+ 1.6535	+ 0.0044	...	- 16.371	+ 0.149	...	762
90	... ..	+ 1.5540	+ 0.0083	...	- 16.211	+ 0.141	...	...
91	... ..	+ 1.8565	+ 0.0008	...	- 16.199	+ 0.167	...	...
92	Lacaille 782 ...	+ 1.7769	+ 0.0026	...	- 16.108	+ 0.161	...	...
93	... ..	+ 1.7943	+ 0.0024	...	- 15.952	+ 0.166	...	...
94	... ..	+ 3.1429	+ 0.0103	...	- 15.950	+ 0.285	...	...
95	W. B. N. II. 656 ...	+ 3.2950	+ 0.0154	...	- 15.738	+ 0.305	...	...
96	... ..	+ 3.2062	+ 0.0154	...	- 15.698	+ 0.306	...	...
97	Lacaille 849, (2nd) ...	+ 1.0050	+ 0.0071	...	- 15.579	+ 0.164	...	...
98	86 Ceti γ ...	+ 3.1113	+ 0.0094	- 0.011	- 15.569	+ 0.294	+ 0.19	837
99	Lacaille 868 ...	+ 1.7477	+ 0.0040	...	- 15.445	+ 0.170	...	...
100	W. B. N. II. 676 ...	+ 3.2973	+ 0.0150	...	- 15.352	+ 0.315	...	...
101	... ..	+ 1.6727	+ 0.0057	...	- 15.174	+ 0.167	...	...
102	W. B. N. II. 733 ..	+ 3.2896	+ 0.0146	...	- 15.171	+ 0.320	...	...
103	... ..	+ 1.6523	+ 0.0062	...	- 15.106	+ 0.165	...	...
104	... ..	+ 3.2947	+ 0.0144	...	- 15.000	+ 0.322	...	...
105	Taylor 909 ...	+ 3.3246	+ 0.0167	...	- 15.039	+ 0.326	...	892

88.—Proper motions from "Greenwich Catalogue, 1672."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
106	Runkel 87 ...	6.0	4	2	46	2.10	153	22	0.2	4	0.69
107	Lalande 5380 ...	8.0	3	2	47	45.43	75	14	25.7	3	0.86
108	Lacaille 941 ...	6.7	2	2	50	28.23	146	25	52.1	2	0.91
109	... ..	9.0	1	2	52	23.47	150	16	54.3	1	0.02
110	... ..	8.5	1	2	53	17.19	146	44	15.0	1	0.95
111	92 Ceti α (<i>Menkar</i>) ...	2.7	...	2	55	13.45	86	26	32.6	7	0.95
112	25 Persei ρ Var. 2 ...	3.7	...	2	56	32.06	51	41	8.9	2	0.47
113	Taylor 1037 ...	8.3	1	2	56	55.45	150	21	21.2	1	0.93
114	Taylor 1047 ...	6.5	1	2	59	53.15	151	19	38.1	1	0.02
115	Taylor 1057 ...	7.0	2	3	0	47.52	151	22	6.7	2	0.80
116	R. P. L. 33 ...	5.9	...	3	0	54.83	5	34	37.9	3	0.79
117	57 Arietis δ ...	4.5	...	3	3	54.78	70	47	12.1	8	0.92
118	Lacaille 1007 ...	7.3	2	3	4	49.46	152	14	14.7	2	0.49
119	Taylor 1127 ...	8.0	4	3	11	49.51	131	46	7.3	4	0.72
120	... ..	8.8	3	3	12	25.76	130	57	55.9	2	0.91
121	... ..	8.5	1	3	12	43.38	130	50	3.9	1	0.95
122	33 Persei α ...	1.9	...	3	14	41.76	40	37	21.6	1	0.96
123	3 ^d Retionli ...	6.0	1	3	15	17.57	153	1	24.7	1	0.01
124	... ..	8.9	1	3	20	35.98	149	28	18.9	1	0.96
125	... ..	9.7	1	3	20	43.35	54	47	26.6	1	0.98
126	R. P. L. 34 ...	5.8	...	3	22	34.43	3	47	12.9	1	0.97
127	5 Tauri f ...	4.3	...	3	23	25.36	77	31	45.8	4	0.80
128	... ..	9.4	3	3	25	58.07	87	53	4.7	3	0.91
129	Lacaille 1143 ...	6.0	2	3	27	1.96	158	24	53.7	2	0.98
130	Lacaille 1150 ...	5.2	3	3	28	28.06	152	28	5.6	3	0.90
131	Lacaille 1159 ...	6.8	1	3	30	17.65	151	28	21.5	1	0.01
132	Taylor 1256 ...	8.0	1	3	33	28.31	150	13	6.9	1	0.02
133	... ..	9.7	1	3	35	52.33	152	26	14.7	1	0.96
134	... ..	9.0	1	3	38	7.33	136	12	41.3	1	0.97
135	... ..	8.0	...	3	39	22.59	66	30	23.2	1	0.96
136	25 Tauri α (<i>Alcyons</i>) ...	3.0	...	3	39	27.78	66	18	50.3	4	0.72
137	Taylor 1318 ...	5.9	2	3	42	31.08	155	14	0.7	3	0.30
138	... ..	8.8	2	3	46	33.43	146	33	29.1	2	0.47
139	34 Eridani γ^1 ...	3.0	.	3	51	43.97	108	58	42.5	6	0.23
140	35 Tauri λ Var. 1 ...	3.6	1	3	53	12.17	77	53	35.4	1	0.84

107. — Comparison star for Victoria in 1861.

113. — ρ Persei Var. 2. — Changes irregularly from 3.5 to 4.3 magnitude.

116. — (Groombridge 505).

120. — (Groombridge 642).

140. — λ Tauri Var. 1. — Period 3.95 days. Range, 3.5 to 4.3 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"		
106	Runkel 87 ...	+ 1.3052	+ 0.0158	...	- 15.018	+ 0.132	...	895
107	Lalande 5380 ...	+ 3.3243	+ 0.0156	...	- 14.918	+ 0.330	...	...
108	Lacaille 941 ...	+ 1.7079	+ 0.0053	...	- 14.758	+ 0.175	...	...
109	... ..	+ 1.4717	+ 0.0107	...	- 14.644	+ 0.153	...	...
110	... ..	+ 1.6737	+ 0.0060	...	- 14.590	+ 0.174	...	...
111	92 Ceti α (Menkar) ..	+ 3.1295	+ 0.0098	- 0.002	- 14.473	+ 0.323	+ 0.11	940
112	25 Persei ρ Var. 2 ..	+ 3.8077	+ 0.0332	+ 0.010	- 14.394	+ 0.393	+ 0.11	953
113	Taylor 1037 ..	+ 1.4333	+ 0.0116	...	- 14.370	+ 0.152	...	...
114	Taylor 1047 ...	+ 1.3443	+ 0.0139	...	- 14.188	+ 0.145	...	968
115	Taylor 1057 ...	+ 1.3343	+ 0.0142	...	- 14.132	+ 0.144	...	973
116	R. P. L. 33 ...	+ 12.7931	+ 1.3855	...	- 14.124	+ 1.332	+ 0.08	969
117	87 Arietis δ ...	+ 3.4071	+ 0.0171	+ 0.010	- 13.936	+ 0.364	0.00	986
118	Lacaille 1007 ...	+ 1.2387	+ 0.0160	...	- 13.870	+ 0.136	...	...
119	Taylor 1127 ...	+ 2.1853	+ 0.0012	...	- 13.431	+ 0.243	...	...
120	... ..	+ 2.2080	+ 0.0011	...	- 13.392	+ 0.246	...	...
121	... ..	+ 2.2110	+ 0.0012	...	- 13.372	+ 0.246	...	...
122	33 Persei α ...	+ 4.2425	+ 0.0483	+ 0.002	- 13.243	+ 0.472	+ 0.05	1043
123	3 ^d Reticule ...	+ 1.0950	+ 0.0203	+ 0.190	- 13.204	+ 0.126	- 0.65	1051
124	... ..	+ 1.3315	+ 0.0133	...	- 12.851	+ 0.155	...	...
125	... ..	+ 3.7067	+ 0.0279	...	- 12.843	+ 0.431	...	...
126	R. P. L. 34 ...	+ 15.6917	+ 3.1999	+ 0.136	- 12.718	+ 2.113	+ 0.06	1061
127	5 Tauri f ...	+ 3.3014	+ 0.0130	+ 0.002	- 12.660	+ 0.379	+ 0.02	1057
128	... ..	+ 3.1107	+ 0.0089	...	- 12.487	+ 0.360	...	...
129	Lacaille 1143 ...	+ 0.9739	+ 0.0227	...	- 12.414	+ 0.117	...	1103
130	Lacaille 1150 ...	+ 1.0476	+ 0.0203	...	- 12.314	+ 0.126	...	...
131	Lacaille 1159 ...	+ 1.1188	+ 0.0180	...	- 12.189	+ 0.135	...	...
132	Taylor 1256 ...	+ 1.1852	+ 0.0159	...	- 11.826	+ 0.145	...	...
133	... ..	+ 1.0006	+ 0.0207	...	- 11.797	+ 0.123	...	...
134	... ..	+ 1.8361	+ 0.0044	...	- 11.636	+ 0.223	...	...
135	... ..	+ 3.5473	+ 0.0176	...	- 11.546	+ 0.428	...	...
136	25 Tauri η (Alkaid) ..	+ 3.5516	+ 0.0177	- 0.001	- 11.542	+ 0.430	+ 0.06	1166
137	Taylor 1318 ...	+ 0.6803	+ 0.0294	+ 0.050	- 11.322	+ 0.087	- 0.03	1197
138	... ..	+ 1.8812	+ 0.0111	...	- 11.029	+ 0.173	...	...
139	84 Eridani γ^1 ..	+ 2.7917	+ 0.0047	+ 0.002	- 10.648	+ 0.351	+ 0.12	1234
140	35 Tauri λ Var. 1 ..	+ 3.1161	+ 0.0115	- 0.002	- 10.538	+ 0.416	+ 0.03	1241

113.—122.—127.—140.—Proper motions from "Greenwich Catalogue, 1872."

123.—137.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
141	... ..	8.0	1	3	53	41.84	143	8	14.5	1	0.90
142	Lacaille 1327 ...	5.9	...	3	54	19.59	152	51	22.3	1	0.92
143	R. P. L. 35 ...	6.7	...	8	55	10.90	4	48	24.4	1	0.93
144	Lacaille 1347 ...	7.6	2	3	58	8.11	149	2	26.2	2	0.49
145	Lalande 7764 ...	8.0	3	4	8	31.43	74	43	42.9	3	0.63
146	... ..	9.2	1	4	5	1.35	150	5	21.9	1	0.03
147	38 Eridani ϵ^1 ...	4.1	...	4	5	16.56	97	11	32.6	7	0.55
148	... ..	8.3	1	4	9	48.62	129	18	43.6	1	0.03
149	U Tauri Var. 7 ...	9.8	1	4	13	57.17	70	30	30.1	1	0.04
150	T Tauri Var. 6 ...	10.4	2	4	14	7.61	70	47	23.4	2	0.05
151	ϵ Reticuli ...	5.0	...	4	14	0.66	149	37	42.1	1	0.01
152	... ..	9.6	1	4	15	42.03	128	39	40.4	1	0.07
153	74 Tauri ϵ ...	3.7	...	4	20	44.15	71	7	20.9	12	0.62
154	R Tauri Var. 2 ...	8.3	1	4	20	53.57	80	8	30.1	1	0.06
155	Taylor 1582 ...	6.4	2	4	23	13.32	151	32	43.3	2	0.43
156	Lacaille 1519 ...	7.3	1	4	25	35.98	153	5	59.7	1	0.04
157	87 Tauri ϵ (Aldebaran) ...	1.0	...	4	28	10.58	73	45	56.3	8	0.49
158	... ..	9.3	1	4	31	44.20	142	59	28.9	1	0.06
159	W. B. N. IV. 006 ...	9.0	7	4	32	39.63	66	27	22.5	7	0.04
160	W. B. N. IV. 720 ...	8.3	2	4	33	54.62	66	15	9.6	3	0.05
161	94 Tauri τ ...	4.4	...	4	34	8.66	67	18	19.7	2	0.47
162	... ..	9.4	2	4	30	32.41	128	57	28.3	2	0.50
163	... ..	8.8	2	4	40	20.16	151	20	40.5	2	0.03
164	α Doradus ...	6.0	1	4	42	19.46	149	58	55.5	1	0.95
165	Lacaille 1629 ...	6.7	1	4	43	43.62	153	28	27.2	2	0.51
166	Lacaille 1625 ...	8.1	1	4	45	0.52	140	1	43.6	1	0.10
167	W. B. N. IV. 995 ...	8.0	1	4	45	10.20	66	3	3.4	1	0.01
168	... ..	9.3	1	4	45	30.74	129	24	58.0	1	0.06
169	... ..	8.9	1	4	45	56.29	153	3	56.9	1	0.02
170	W. B. N. IV. 1018 ...	8.0	1	4	46	2.19	66	13	33.0	1	0.01
171	3 Aurigæ γ ...	2.7	.	4	46	12.25	57	3	5.8	3	0.36
172	... ..	10.3	1	4	51	29.60	82	8	37.5	1	0.04
173	... ..	9.0	1	4	52	21.10	129	30	47.9	1	0.03
174	... ..	9.6	1	4	52	41.91	150	37	48.8	1	0.02
175	R Leporis Var. 1 ...	8.9	1	4	53	27.72	105	0	42.6	1	0.07

143.—Greenbridge 750.—145.—Comparison star for Asia in 1862.

149.—U Tauri Var. 7.—Period unknown. Range, 9th to 10.5 magnitude.

150.—T Tauri Var. 6.—Period unknown. Range, 9th to below 13th magnitude.

154.—R Tauri Var. 2.—Period 335 days. Range, 8th to below 13th magnitude.

159.—160.—167.—170.—Comparison stars for Mars in 1864.

175.—R Leporis Var. 1.—Period 438 days. Range, 6th to 9th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
141	... ..	+ 1.5529	+ 0.0082	...	- 10.501	+ 0.198	...	...
142	Lacaille 1327	+ 0.7477	+ 0.0250	...	- 10.454	+ 0.097	...	1248
143	R. P. L. 35 ...	+ 16.6728	+ 1.8153	+ 0.057	- 10.300	+ 2.084	- 0.05	1233
144	Lacaille 1347	+ 1.1511	+ 0.0148	...	- 10.169	+ 0.149	...	...
145	Lalande 7764...	+ 3.3910	+ 0.0121	...	- 9.758	+ 0.436	...	...
146	... ..	+ 1.0345	+ 0.0165	...	- 9.639	+ 0.130	...	...
147	38 Eridani ϵ^1	+ 2.0240	+ 0.0058	- 0.002	- 9.625	+ 0.379	- 0.07	1290
148	... ..	+ 2.1015	+ 0.0085	...	- 9.275	+ 0.276	...	...
149	U Tauri Var. 7	+ 3.4956	+ 0.0129	...	- 8.952	+ 0.460	...	...
150	T Tauri Var. 6	+ 3.4892	+ 0.0128	...	- 8.939	+ 0.460	...	...
151	ϵ Reticuli ...	+ 1.0298	+ 0.0155	...	- 8.936	+ 0.139	...	1344
152	... ..	+ 2.1111	+ 0.0035	...	- 8.815	+ 0.281	...	...
153	74 Tauri ϵ ...	+ 3.4870	+ 0.0120	+ 0.005	- 8.418	+ 0.466	+ 0.03	1376
154	R Tauri Var. 2	+ 3.2831	+ 0.0092	...	- 8.404	+ 0.439	...	...
155	Taylor 1582 ...	+ 0.8202	+ 0.0183	...	- 8.219	+ 0.113	...	1400
156	Lacaille 1510	+ 0.6572	+ 0.0212	...	- 8.029	+ 0.091	...	...
157	57 Tauri α (Aldebaran)	+ 3.4304	+ 0.0105	+ 0.004	- 7.822	+ 0.464	+ 0.17	1420
158	... ..	+ 1.4284	+ 0.0082	...	- 7.534	+ 0.196	...	...
159	W. B. N. IV. 696	+ 3.6129	+ 0.0127	...	- 7.460	+ 0.463	...	...
160	W. B. N. IV. 726	+ 3.6193	+ 0.0127	...	- 7.358	+ 0.494	...	...
161	94 Tauri γ ...	+ 3.5925	+ 0.0122	0.000	- 7.338	+ 0.491	+ 0.02	1449
162	... ..	+ 2.0570	+ 0.0037	...	- 6.897	+ 0.285	...	...
163	... ..	+ 0.7717	+ 0.0163	...	- 6.832	+ 0.109	...	...
164	α Doradæ ...	+ 0.8897	+ 0.0141	...	- 6.668	+ 0.125	...	1489
165	Lacaille 1629	+ 0.5405	+ 0.0197	...	- 6.552	+ 0.077	...	...
166	Lacaille 1625	+ 1.5617	+ 0.0063	...	- 6.446	+ 0.219	...	...
167	W. B. N. IV. 995	+ 3.6346	+ 0.0114	...	- 6.432	+ 0.505	...	...
168	... ..	+ 2.0308	+ 0.0037	...	- 6.404	+ 0.284	...	...
169	... ..	+ 0.5769	+ 0.0186	...	- 6.369	+ 0.083	...	...
170	W. B. N. IV. 1018	+ 3.6307	+ 0.0113	...	- 6.360	+ 0.505	...	...
171	3 Aurigæ δ ...	+ 3.8964	+ 0.0144	- 0.003	- 6.180	+ 0.544	+ 0.02	1520
172	... ..	+ 3.2484	+ 0.0068	...	- 5.906	+ 0.456	...	...
173	... ..	+ 2.0116	+ 0.0038	...	- 5.834	+ 0.284	...	...
174	... ..	+ 0.7981	+ 0.0139	...	- 5.806	+ 0.113	...	...
175	R Leporis Var. 1	+ 2.7286	+ 0.0038	...	- 5.742	+ 0.362	...	...

Mean Positions of Stars for 1865 January 1st.

Number.	Star.				Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of year.
							h	m	s	°	'	"		
176	Taylor 1797	...	...	...	7.0	1	4	54	52.10	148	16	51.1	1	0.10
177	102 Tauri	...	...	...	4.7	...	4	55	1.72	68	36	23.4	2	0.47
178	Lacaille 1697	...	...	...	8.0	1	4	56	53.21	129	7	7.0	1	0.05
179	Lacaille 1705	...	...	...	8.0	1	4	57	27.36	129	16	30.1	1	0.06
180	2 Leporis	...	...	...	3.3	...	4	59	44.55	112	33	17.7	4	0.05
181	...	...	...	...	8.0	1	5	0	1.55	135	23	49.9	1	0.07
182	...	...	...	...	9.5	2	5	1	45.09	151	36	4.3	2	0.03
183	Lacaille 1739	...	...	...	8.2	1	5	2	52.47	146	57	48.5	1	0.01
184	Lacaille 1756	...	...	...	8.4	2	5	3	59.92	154	44	37.6	2	0.08
185	...	...	...	...	9.5	1	5	4	36.03	135	34	33.6	1	0.07
186	Lacaille 1757	...	...	...	8.0	1	5	4	53.29	150	4	20.1	1	0.02
187	...	...	...	...	9.0	1	5	6	4.10	131	45	38.4	1	0.08
188	13 Aurigæ α (Capella)	...	...	...	0.2	...	5	6	43.14	44	8	36.6	1	0.07
189	...	...	...	...	8.5	1	5	6	54.10	129	6	0.6	1	0.06
190	19 Orionis β (Rigel)	...	...	...	0.3	...	5	3	3.07	98	21	37.9	2	0.50
191	...	...	...	...	9.2	3	5	12	53.74	129	40	3.2	3	0.36
192	...	...	...	...	9.1	3	5	12	57.39	137	4	42.7	3	0.08
193	...	...	...	...	8.1	1	5	13	26.14	153	41	37.4	1	0.07
194	...	...	...	...	9.0	1	5	14	50.83	153	30	18.7	1	0.05
195	...	...	...	...	9.2	2	5	16	8.53	131	49	10.5	2	0.09
196	...	...	...	...	7.9	3	5	17	0.04	129	37	50.9	3	0.37
197	112 Tauri β	...	...	...	1.9	...	5	17	45.54	61	30	37.5	5	0.24
198	Taylor 1984	...	...	...	7.3	1	5	18	51.97	150	54	47.7	1	0.10
199	...	...	...	...	8.9	1	5	19	5.64	148	14	16.5	1	0.03
200	114 Tauri ϵ	...	...	...	4.8	...	5	19	31.67	128	10	56.0	1	0.12
201	Lacaille 1554	...	...	...	7.5	1	5	21	40.52	137	13	50.4	1	0.07
202	...	...	...	...	7.9	2	5	23	30.60	151	13	23.2	2	0.08
203	34 Orionis δ Var. 1	...	...	...	2.4	...	5	25	6.65	99	24	8.4	2	0.05
204	...	...	...	...	8.9	2	5	25	13.55	130	35	20.1	2	0.07
205	...	...	...	...	9.0	1	5	25	35.56	155	51	10.4	1	0.12
206	11 Leporis α	...	...	...	2.7	...	5	26	46.68	107	53	18.0	5	0.07
207	46 Orionis ϵ	...	...	...	1.8	...	5	29	21.88	91	17	28.6	2	0.05
208	123 Tauri 3	...	...	...	3.0	...	5	29	34.61	68	56	37.2	1	0.05
209	...	...	...	...	9.6	2	5	29	47.14	135	22	0.6	2	0.06
210	...	...	...	...	8.8	1	5	31	39.42	128	42	14.7	1	0.10

203—3 Orionis Var. 1.—Supposed to vary irregularly from 2.3 to 2.7 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
176	Taylor 1707 ...	+ 0.0957	+ 0.0111	...	- 5.623	+ 0.141	...	...
177	102 Tauri : ...	+ 3.5750	+ 0.0005	+ 0.004	- 5.609	+ 0.503	+ 0.06	1651
178	Lacaille 1697 ...	+ 2.0258	+ 0.0036	...	- 5.453	+ 0.290	...	...
179	Lacaille 1705 ...	+ 2.0192	+ 0.0037	...	- 5.405	+ 0.286	...	...
180	2 Leporis : ...	+ 2.5358	+ 0.0033	+ 0.001	- 5.212	+ 0.359	+ 0.08	1575
181	... ..	+ 1.7626	+ 0.0046	...	- 5.188	+ 0.250	...	...
182	... ..	+ 0.6787	+ 0.0138	...	- 5.042	+ 0.098	...	...
183	Lacaille 1739 ...	+ 1.0706	+ 0.0093	...	- 4.947	+ 0.155	...	...
184	Lacaille 1756 ...	+ 0.3222	+ 0.0153	...	- 4.852	+ 0.048	...	...
185	... ..	+ 1.7476	+ 0.0045	...	- 4.801	+ 0.250	...	...
186	Lacaille 1757 ...	+ 0.8164	+ 0.0117	...	- 4.776	+ 0.118	...	...
187	... ..	+ 1.0113	+ 0.0039	...	- 4.676	+ 0.273	...	...
188	13 Aurigæ a (Capella.)	+ 4.4125	+ 0.0173	+ 0.008	- 4.621	+ 0.629	+ 0.43	1613
189	... ..	+ 2.0146	+ 0.0085	...	- 4.605	+ 0.288	...	...
190	19 Orionis β (Rigel)...	+ 2.8506	+ 0.0040	- 0.001	- 4.507	+ 0.412	+ 0.02	1623
191	... ..	+ 1.0807	+ 0.0035	...	- 4.093	+ 0.286	...	...
192	... ..	+ 1.6646	+ 0.0046	...	- 4.088	+ 0.230	...	...
193	... ..	+ 0.4232	+ 0.0144	...	- 4.047	+ 0.062	...	...
194	... ..	+ 0.4438	+ 0.0138	...	- 3.926	+ 0.003	...	...
195	... ..	+ 1.8983	+ 0.0037	...	- 3.815	+ 0.274	...	...
196	... ..	+ 1.9842	+ 0.0034	...	- 3.741	+ 0.286	...	...
197	112 Tauri β ...	+ 3.7854	+ 0.0082	+ 0.003	- 3.676	+ 0.545	+ 0.20	1681
198	Taylor 1084 ...	+ 0.7073	+ 0.0101	...	- 3.580	+ 0.103	...	1697
199	... ..	+ 0.2468	+ 0.0084	...	- 3.560	+ 0.138	...	...
200	114 Tauri α ...	+ 3.5990	+ 0.0068	- 0.001	- 3.523	+ 0.519	+ 0.01	1695
201	Lacaille 1854 ...	+ 1.6477	+ 0.0042	...	- 3.338	+ 0.238	...	...
202	... ..	+ 0.6686	+ 0.0028	...	- 3.180	+ 0.097	...	...
203	34 Orionis β Var. 1 ...	+ 3.0627	+ 0.0038	+ 0.001	- 3.041	+ 0.443	+ 0.04	1730
204	... ..	+ 1.2308	+ 0.0034	...	- 3.031	+ 0.281	...	...
205	... ..	+ 0.1231	+ 0.0143	...	- 2.999	+ 0.019	...	...
206	11 Leporis α ...	+ 2.6441	+ 0.0029	+ 0.001	- 2.897	+ 0.383	0.00	1741
207	46 Orionis α ...	+ 3.0121	+ 0.0035	- 0.002	- 2.673	+ 0.441	+ 0.01	1765
208	123 Tauri γ ...	+ 3.5823	+ 0.0055	0.009	- 2.655	+ 0.519	+ 0.05	1767
209	... ..	+ 1.7296	+ 0.0037	...	- 2.636	+ 0.251	...	...
210	... ..	+ 2.0090	+ 0.0031	...	- 2.474	+ 0.292	...	...

200.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year
				h.	m.	s.	°	'	"		
211	Lacaille 1949	6.1	1	5	32	15.77	154	19	2.7	1	0.07
212	...	8.5	...	5	32	43.66	150	11	33.6	1	0.07
213	...	9.1	1	5	32	41.01	128	41	15.5	1	0.05
214	...	8.8	2	5	34	20.02	152	7	57.3	2	0.00
215	α Columba	2.7	...	5	34	45.71	124	8	53.7	8	0.06
216	Lacaille 1971	7.8	1	5	36	22.25	149	11	30.2	1	0.12
217	...	8.3	2	5	36	39.25	135	48	38.7	2	0.08
218	...	9.1	1	5	39	55.07	135	48	6.2	1	0.07
219	Lacaille 2010	7.7	1	5	42	2.13	146	58	20.0	1	0.07
220	...	9.1	3	5	43	26.72	130	6	55.8	3	0.06
221	Taylor 2184	9.3	1	5	43	55.09	150	46	22.3	1	0.02
222	...	9.3	1	5	44	45.16	137	10	18.3	1	0.06
223	54 Orionis χ^1	4.6	...	5	46	23.37	60	45	10.1	2	0.51
224	...	9.0	1	5	47	3.18	135	46	50.2	1	0.07
225	58 Orionis α Var. 2	0.9	...	5	47	51.84	82	37	17.0	9	0.07
226	...	8.9	1	5	49	55.35	135	43	7.9	1	0.07
227	...	9.8	1	5	50	15.60	137	10	18.5	1	0.08
228	Lacaille 2073	7.9	1	5	50	32.41	137	12	38.1	1	0.12
229	...	9.6	2	5	50	68.77	130	43	1.5	2	0.07
230	R. P. L. 43	6.6	...	5	52	27.98	3	14	20.0	1	0.10
231	...	8.8	1	5	53	3.51	130	24	57.4	1	0.06
232	Lalande 2104	7.0	1	5	54	22.74	143	26	23.9	1	0.06
233	...	9.5	2	5	54	36.34	137	45	15.3	2	0.00
234	...	9.2	1	5	56	11.53	129	57	14.2	1	0.03
235	...	9.3	1	5	57	1.11	136	1	0.9	1	0.07
236	67 Orionis ν	4.4	...	5	59	51.86	75	13	7.9	9	0.07
237	...	7.8	2	6	0	52.61	137	28	33.4	2	0.10
238	Lalande 11732	5.2	1	6	3	26.08	77	58	55.9	1	0.07
239	...	9.0	1	6	4	1.12	150	5	24.2	1	0.11
240	...	8.1	2	6	4	35.32	136	40	40.6	2	0.06
241	...	9.0	1	6	5	40.90	77	51	30.8	1	0.07
242	7 Geminorum η Var. 6	3.5	...	6	6	43.79	67	27	23.0	2	0.07
243	...	9.2	1	6	7	28.21	151	18	23.5	1	0.13
244	...	9.1	2	6	7	42.12	137	6	24.1	2	0.00
245	...	9.2	1	6	8	35.15	155	4	30.0	1	0.13

225 — α Orionis Var. 2, (*Betelgeuse*) Irregularly variable from 0.9 to 1.5 magnitude.

230 — Greenbridge 1004.

238 — Comparison star for Sappho in 1865.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	"	"		
211	Lacaille 1949 ...	+ 0.3122	+ 0.0106	...	- 2.420	+ 0.046	...	1790
212	" ...	+ 0.7548	+ 0.0076	...	- 2.381	+ 0.110	...	"
213	" ...	+ 2.0090	+ 0.0030	..	- 2.381	+ 0.292	...	"
214	" ...	+ 0.5593	+ 0.0085	...	- 2.240	+ 0.062	...	"
215	a Columbae ...	+ 2.1706	+ 0.0027	+ 0.008	- 2.205	+ 0.316	0.00	1802
216	Lacaille 1971 ..	+ 0.8419	+ 0.0066	...	- 2.064	+ 0.123	...	"
217	" ...	+ 1.7038	+ 0.0035	...	- 2.039	+ 0.248	...	"
218	" ...	+ 1.7024	+ 0.0033	...	- 1.755	+ 0.248	..	"
219	Lacaille 2010 ...	+ 1.0218	+ 0.0050	...	- 1.670	+ 0.150	...	"
220	" ...	+ 1.9486	+ 0.0028	...	- 1.447	+ 0.285	...	"
221	Taylor 2184 ...	+ 0.6894	+ 0.0050	...	- 1.406	+ 0.101	...	"
222	" ...	+ 1.6329	+ 0.0033	...	- 1.393	+ 0.239	...	"
223	64 Orionis χ^1 ..	+ 3.5645	+ 0.0034	- 0.016	- 1.191	+ 0.520	+ 0.10	1876
224	" ...	+ 1.7003	+ 0.0030	...	- 1.132	+ 0.248	..	"
225	58 Orionis a Var. 2...+	+ 3.2449	+ 0.0027	+ 0.001	- 1.061	+ 0.473	0.00	1883
226	" ...	+ 1.7025	+ 0.0030	...	- 0.881	+ 0.248	...	"
227	" ...	+ 1.6310	+ 0.0030	...	- 0.853	+ 0.238	...	"
228	Lacaille 2073 ..	+ 1.6200	+ 0.0030	...	- 0.828	+ 0.237	...	"
229	" ...	+ 1.0223	+ 0.0027	...	- 0.780	+ 0.240	...	"
230	R. P. L. 43 ...	+ 26.6578	+ 0.2764	...	- 0.660	+ 3.693	...	1879
231	" ...	+ 1.0341	+ 0.0026	...	- 0.607	+ 0.282	...	"
232	Lacaille 2104 ...	+ 1.2096	+ 0.0073	...	- 0.492	+ 0.190	...	"
233	" ...	+ 1.6004	+ 0.0028	...	- 0.472	+ 0.233	...	"
234	" ...	+ 1.0522	+ 0.0025	...	- 0.334	+ 0.285	...	"
235	" ...	+ 1.6869	+ 0.0027	...	- 0.261	+ 0.246	...	"
236	67 Orionis ν ...	+ 3.4248	+ 0.0017	+ 0.001	- 0.012	+ 0.500	+ 0.02	1965
237	" ...	+ 1.6143	+ 0.0024	...	+ 0.076	+ 0.236	...	"
238	Lalande 11732 ...	+ 3.3507	+ 0.0015	..	+ 0.300	+ 0.490	...	"
239	" ...	+ 0.7482	+ 0.0022	...	+ 0.352	+ 0.100	...	"
240	" ...	+ 1.6472	+ 0.0004	..	+ 0.401	+ 0.240	...	"
241	" ...	+ 3.3597	+ 0.0013	..	+ 0.406	+ 0.400	...	"
242	7 Geminorum η Var. 6	+ 3.0267	+ 0.0007	- 0.007	+ 0.589	+ 0.529	+ 0.02	2003
243	" ...	+ 0.6909	+ 0.0016	..	+ 0.654	+ 0.092	...	"
244	" ...	+ 1.6335	+ 0.0022	..	+ 0.674	+ 0.235	...	"
245	" ...	+ 0.1993	+ 0.0005	..	+ 0.751	+ 0.020	...	"

215.—223.—236. —Proper motions from "Greenwich Catalogue, 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
246	.. .. .	9.3	2	6	8	55.17	130	31	35.3	2	0.06
247	.. .. .	9.4	1	6	11	43.60	152	1	50.0	1	0.07
248	.. .. .	9.2	2	6	12	3.43	136	50	49.9	2	0.09
249	Lalande 12120 ..	7.2	1	6	14	8.95	77	4	49.8	2	0.07
250	13 Geminorum μ ..	3.2	...	6	14	47.59	67	25	15.5	6	0.06
251	Lalande 12155 ..	7.2	1	6	15	1.74	77	22	3.1	1	0.07
252	Lacaille 2273 ..	7.0	1	6	17	3.26	153	58	25.3	1	0.02
253	.. .. .	9.0	2	6	18	33.26	151	28	28.6	2	0.12
254	Taylor 2485 ..	7.3	2	6	18	34.28	151	16	11.2	2	0.12
255	Lacaille 2286 ..	7.0	1	6	18	46.58	153	45	45.3	1	0.14
256	.. .. .	8.8	2	6	19	43.59	65	39	54.8	2	0.09
257	α Argus (Canopus) ..	1.0	...	6	20	57.41	142	37	23.6	1	0.08
258	.. .. .	7.2	2	6	21	20.03	128	61	32.6	2	0.08
259	Lacaille 2312 ..	6.8	1	6	22	9.61	153	36	37.7	1	0.12
260	Lacaille 2321 ..	7.8	1	6	23	29.97	153	20	49.7	1	0.16
261	Lacaille 2345 ..	7.8	2	6	26	32.41	152	3	46.5	2	0.17
262	.. .. .	9.0	2	6	27	30.11	128	46	0.7	2	0.10
263	.. .. .	8.1	1	6	28	39.98	151	10	2.6	1	0.14
264	.. .. .	9.1	2	6	28	40.42	130	32	12.0	2	0.10
265	Taylor 2589 ..	6.9	2	6	29	50.15	151	46	51.8	2	0.12
266	24 Geminorum γ ..	2.0	...	6	29	54.77	73	29	21.0	5	0.08
267	.. .. .	8.3	1	6	31	28.75	130	56	45.1	1	0.15
268	.. .. .	8.9	1	6	33	33.48	152	27	8.4	1	0.11
269	.. .. .	9.1	2	6	35	49.30	130	38	7.5	2	0.09
270	.. .. .	10.4	2	6	36	0.29	102	5	50.6	2	0.05
271	51 Cephei (Hev.) ..	6.3	...	6	36	9.07	2	45	21.0	7	0.23
272	.. .. .	8.9	1	6	36	15.14	130	21	3.4	1	0.17
273	Taylor 2652 ..	6.8	1	6	36	33.84	151	24	55.3	1	0.12
274	31 Geminorum ζ ..	3.4	...	6	37	42.06	76	57	43.6	1	0.10
275	.. .. .	9.3	1	6	37	53.72	153	20	39.7	1	0.13
276	Lacaille 2451 ..	8.3	1	6	38	11.15	153	57	46.4	1	0.17
277	Taylor 2667 ..	8.3	1	6	38	23.73	146	59	44.7	1	0.08
278	.. .. .	9.5	1	6	39	9.43	131	3	30.2	1	0.03
279	β Canis Maj. α (Sirius) ..	1.4	—	6	39	11.78	100	32	1.5	2	0.12
280	.. .. .	9.3	2	6	40	29.81	154	13	36.2	2	0.12

249 — 251. — Comparison stars for Sappho in 1865.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	<i>"</i>	<i>"</i>		
245	... ..	+ 1.0000	+ 0.0021	...	+ 0.780	+ 0.281	...	...
247	... ..	+ 0.5576	+ 0.0005	...	+ 1.026	+ 0.081	...	...
248	... ..	+ 1.0479	+ 0.0019	...	+ 1.055	+ 0.240	...	...
249	Lalande 12120	+ 3.3782	+ 0.0005	...	+ 1.237	+ 0.487	...	...
250	13 Geminorum μ	+ 3.6268	+ 0.0003	+ 0.005	+ 1.293	+ 0.527	+ 0.14	2047
251	Lalande 12155	+ 3.3711	+ 0.0004	...	+ 1.314	+ 0.490	...	...
252	Lacaille 2273	+ 0.3416	- 0.0014	...	+ 1.402	+ 0.049	...	...
253	... ..	+ 0.6146	- 0.0007	...	+ 1.622	+ 0.089	...	...
254	Taylor 2485	+ 0.6411	- 0.0007	...	+ 1.623	+ 0.002	...	...
255	Lacaille 2296	+ 0.3686	- 0.0017	...	+ 1.644	+ 0.053	...	2078
256	... ..	+ 3.6745	- 0.0011	...	+ 1.724	+ 0.533	...	...
257	α Argus (Cenopus)	+ 1.3292	+ 0.0010	0.000	+ 1.832	+ 0.192	0.00	2090
258	... ..	+ 1.0995	+ 0.0019	...	+ 1.804	+ 0.289	...	...
259	Lacaille 2312	+ 0.3902	- 0.0025	...	+ 1.936	+ 0.056	...	...
260	Lacaille 2321	+ 0.4223	- 0.0028	...	+ 2.053	+ 0.060	...	...
261	Lacaille 2348	+ 0.5678	- 0.0026	...	+ 2.317	+ 0.081	...	2142
262	... ..	+ 2.0061	+ 0.0018	...	+ 2.401	+ 0.290	...	...
263	... ..	+ 0.6624	- 0.0025	...	+ 2.502	+ 0.095	...	...
264	... ..	+ 1.9377	+ 0.0016	...	+ 2.503	+ 0.280	...	...
265	Taylor 2589	+ 0.6017	- 0.0031	...	+ 2.604	+ 0.056	...	2166
266	24 Geminorum γ	+ 3.4650	- 0.0015	+ 0.001	+ 2.610	+ 0.500	+ 0.04	2163
267	... ..	+ 1.9230	+ 0.0015	...	+ 2.746	+ 0.277	...	...
268	... ..	+ 0.5304	- 0.0043	...	+ 2.926	+ 0.076	...	...
269	... ..	+ 1.9387	+ 0.0014	...	+ 3.122	+ 0.278	...	...
270	... ..	+ 3.7714	- 0.0040	...	+ 3.138	+ 0.542	...	...
271	51 Cephei (Hev.)	+ 30.4998	- 1.8501	- 0.027	+ 3.151	+ 4.392	+ 0.08	2157
272	... ..	+ 1.9503	+ 0.0014	...	+ 3.159	+ 0.280	...	...
273	Taylor 2652	+ 0.6495	- 0.0042	...	+ 3.185	+ 0.092	...	2203
274	31 Geminorum ζ	+ 3.3776	- 0.0016	- 0.007	+ 3.285	+ 0.485	+ 0.22	2200
275	... ..	+ 0.4450	- 0.0061	...	+ 3.301	+ 0.063	...	...
276	Lacaille 2451	+ 0.1159	- 0.0092	...	+ 3.326	+ 0.016	...	...
277	Taylor 2667	+ 0.6785	- 0.0029	...	+ 3.344	+ 0.125	...	...
278	... ..	+ 1.9344	+ 0.0014	...	+ 3.410	+ 0.276	...	...
279	9 Can. Maj. α (Sires)	+ 2.0888	+ 0.0010	- 0.035	+ 3.413	+ 0.384	+ 1.24	2213
280	... ..	+ 0.2463	- 0.0076	...	+ 3.525	+ 0.048	...	...

257.—Proper motion from "Ston's Cape Catalogue."

271.—274.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
281	...	9.1	1	6	40	32.85	151	58	54.8	1	0.18
282	...	8.3	1	6	42	25.49	130	56	59.2	1	0.14
283	...	8.2	2	6	42	39.02	130	36	25.7	2	0.08
284	...	9.2	1	6	42	39.06	130	58	8.6	1	0.14
285	...	7.8	3	6	43	42.70	128	30	25.2	3	0.13
286	...	9.3	1	6	44	51.34	128	30	31.8	1	0.14
287	...	9.4	1	6	45	0.13	106	32	45.5	1	0.15
288	α Pictoris ...	5.5	1	6	46	48.43	151	47	50.8	1	0.12
289	Lacaille 2510 ...	8.4	2	6	48	25.42	130	31	43.9	2	0.05
290	...	9.0	1	6	48	30.94	128	48	25.5	1	0.15
291	...	9.3	1	6	48	52.64	130	10	19.4	1	0.14
292	...	9.0	1	6	48	56.41	128	46	7.2	1	0.15
293	Lacaille 2538 ...	7.5	2	6	51	20.29	114	47	37.8	2	0.09
294	...	9.0	1	6	52	47.90	152	54	20.2	1	0.16
295	21 Canis Majoris ϵ ...	1.5	...	6	53	19.23	118	47	26.8	6	0.08
296	...	8.0	2	6	55	37.40	129	37	59.6	2	0.15
297	43 Geminorum 3 ^a Var. 1 ...	4.0	...	6	56	6.07	00	14	7.5	1	0.08
298	...	9.0	2	6	56	23.19	129	17	26.3	2	0.17
299	23 Canis Majoris γ ...	4.1	...	6	57	39.08	105	26	11.1	10	0.09
300	Taylor 2940 ...	8.0	3	6	59	3.61	150	56	50.3	3	0.11
301	R Geminorum Var. 2 ...	8.8	1	6	59	13.31	67	5	31.8	1	0.08
302	...	7.5	1	7	1	1.50	140	10	9.8	1	0.19
303	R Canis Minoris Var. 1 ...	9.7	1	7	1	17.19	79	45	50.5	1	0.14
304	...	8.8	1	7	1	31.44	129	39	17.6	1	0.14
305	...	9.1	2	7	2	55.81	141	24	10.5	2	0.13
306	...	8.7	2	7	3	25.72	130	14	36.2	2	0.16
307	...	9.4	1	7	5	2.70	153	52	14.5	1	0.17
308	Lacaille 2678 ...	9.0	1	7	6	11.70	148	9	21.2	1	0.03
309	Taylor 2923 ...	8.1	2	7	7	17.29	150	21	25.3	2	0.17
310	...	8.0	1	7	8	0.49	148	46	7.9	1	0.14
311	...	8.9	1	7	8	10.02	152	5	5.2	1	0.11
312	...	9.0	1	7	8	55.78	130	17	24.3	1	0.15
313	Lacaille 2696 ...	7.8	1	7	9	23.61	140	58	58.3	1	0.13
314	Taylor 2940 ...	7.6	2	7	9	30.26	129	57	4.1	2	0.14
315	...	9.5	1	7	9	48.13	130	18	38.9	1	0.16

297.—3 Geminorum Var. 1. Period 10.16 days. Range, 3.7 to 4.5 magnitude.

301.—R Geminorum Var. 2. Period 371 days. Range, 7th to below 13th magnitude.

303.—R Canis Minoris Var. 1. Period 335 days. Range, 7.5 to 11th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		s	s	s	"	"		
281	...	+ 0.6987	- 0.0053	...	+ 3.528	+ 0.084	...	...
282	...	+ 1.9317	+ 0.0013	...	+ 3.691	+ 0.275	...	...
283	...	+ 1.9457	+ 0.0013	...	+ 3.711	+ 0.277	...	...
284	...	+ 1.9312	+ 0.0013	...	+ 3.711	+ 0.275	...	...
285	...	+ 2.0276	+ 0.0013	...	+ 3.802	+ 0.298	...	...
286	...	+ 2.0286	+ 0.0014	...	+ 3.900	+ 0.288	...	...
287	...	+ 2.6825	+ 0.0000	...	+ 3.913	+ 0.382	...	...
288	α Pictoris	+ 0.6307	- 0.0063	- 0.010	+ 4.067	+ 0.098	- 0.18	2260
289	Lacaille 2616	+ 1.9545	+ 0.0012	...	+ 4.206	+ 0.277	...	...
290	...	+ 2.0208	+ 0.0013	...	+ 4.214	+ 0.286	...	...
291	...	+ 1.9659	+ 0.0012	...	+ 4.344	+ 0.279	...	...
292	...	+ 2.0227	+ 0.0013	...	+ 4.250	+ 0.286	...	...
293	Lacaille 2538	+ 2.4699	+ 0.0013	...	+ 4.455	+ 0.349	...	2294
294	...	+ 0.5272	- 0.0086	...	+ 4.565	+ 0.073	...	...
295	21 Canis Majoris ϵ	+ 2.3571	+ 0.0013	0.000	+ 4.624	+ 0.332	+ 0.02	2298
296	...	+ 1.9972	+ 0.0012	...	+ 4.820	+ 0.281	...	...
297	43 Gem. 3 ^d Var. 1	+ 3.5640	- 0.0050	- 0.001	+ 4.860	+ 0.508	+ 0.01	2305
298	...	+ 2.0111	+ 0.0012	...	+ 4.885	+ 0.282	...	...
299	23 Canis Majoris γ	+ 2.7144	+ 0.0005	+ 0.002	+ 4.992	+ 0.341	+ 0.01	2319
300	Taylor 2940	+ 0.7447	- 0.0074	...	+ 5.111	+ 0.108	...	...
301	R Geminorum Var. 2.	+ 3.6183	- 0.0059	...	+ 5.125	+ 0.508	...	...
302	...	+ 1.5256	- 0.0007	...	+ 5.277	+ 0.213	...	...
303	R Canis Minoris Var 1.	+ 3.3049	- 0.0081	...	+ 5.299	+ 0.463	...	...
304	...	+ 2.0086	+ 0.0011	...	+ 5.310	+ 0.250	...	...
305	...	+ 1.4598	- 0.0013	...	+ 5.438	+ 0.203	...	...
306	...	+ 1.9836	+ 0.0010	...	+ 5.480	+ 0.276	...	...
307	...	+ 0.4555	- 0.0135	...	+ 5.616	+ 0.062	...	...
308	Lacaille 2678	+ 1.0086	- 0.0055	...	+ 5.712	+ 0.139	...	...
309	Taylor 2923	+ 0.8232	- 0.0077	...	+ 5.804	+ 0.118	...	...
310	...	+ 0.9635	- 0.0074	...	+ 5.861	+ 0.132	...	...
311	...	+ 0.6593	- 0.0102	...	+ 5.877	+ 0.089	...	...
312	...	+ 1.9895	+ 0.0010	...	+ 5.941	+ 0.274	...	...
313	Lacaille 2686	+ 1.4971	- 0.0013	...	+ 5.980	+ 0.205	...	...
314	Taylor 2940	+ 2.0028	+ 0.0010	...	+ 5.989	+ 0.276	...	...
315	...	+ 1.9000	+ 0.0000	...	+ 6.014	+ 0.271	...	...

288.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
316	55 Geminorum δ ...	3.6	...	7	12	3.46	67	46	21.6	11	0.08
317	... ..	8.3	1	7	12	36.69	152	48	2.1	1	0.17
318	Taylor 3005 ...	7.7	1	7	15	29.99	149	1	0.0	1	0.14
319	H. P. L. 45 ...	7.2	...	7	16	32.78	0	59	11.6	1	0.17
320	Lacaille 2805 ...	9.0	1	7	17	22.15	153	8	13.5	1	0.06
321	... ..	9.3	2	7	17	38.92	129	46	16.9	2	0.16
322	... ..	9.8	1	7	18	49.97	69	15	35.1	1	0.13
323	63 Geminorum ...	5.3	...	7	19	43.39	68	16	55.2	1	0.18
324	... ..	9.3	2	7	19	50.09	152	35	43.6	2	0.14
325	Taylor 3054 ...	7.8	1	7	20	2.80	151	41	35.2	1	0.08
326	... ..	8.0	1	7	21	36.09	181	50	33.5	1	0.15
327	... ..	8.5	2	7	23	29.63	129	45	25.1	2	0.16
328	... ..	9.8	1	7	23	37.09	42	0	51.0	1	0.13
329	... ..	8.0	1	7	23	55.73	129	10	12.3	1	0.14
330	... ..	9.4	1	7	24	9.78	152	47	21.6	1	0.17
331	... ..	9.6	1	7	24	46.12	130	9	38.9	1	0.07
332	... ..	9.0	2	7	24	48.82	121	0	28.9	2	0.07
333	... ..	9.0	1	7	25	0.77	123	8	26.5	1	0.66
334	S Canis Minoris Var. 2 ...	9.1	1	7	25	23.53	81	23	49.0	2	0.04
335	... ..	8.0	1	7	25	29.09	192	18	12.7	1	0.18
336	66 Geminorum α ³ (Castor.)	1.6	...	7	25	58.88	57	49	8.8	6	0.12
337	... ..	9.6	1	7	26	39.32	129	45	7.9	1	0.18
338	... ..	9.2	1	7	27	14.03	153	10	53.4	1	0.07
339	... ..	8.0	1	7	27	58.21	129	42	51.9	1	0.15
340	... ..	9.5	1	7	30	42.43	155	42	28.1	1	0.14
341	... ..	9.0	2	7	31	6.86	131	10	43.0	2	0.16
342	... ..	8.5	2	7	31	56.43	129	44	1.0	2	0.16
343	10 Canis Min. α (Procyon.)	0.5	...	7	32	14.05	84	25	55.6	10	0.10
344	Lacaille 2893 ...	7.0	1	7	32	45.83	121	49	31.5	1	0.14
345	... ..	9.4	2	7	33	6.60	153	11	46.7	2	0.13
346	... ..	10.5	2	7	34	34.71	68	25	6.6	2	0.07
347	8 Geminorum Var. 3 ...	10.6	2	7	34	37.52	66	13	30.8	2	0.11
348	... ..	8.2	2	7	35	8.82	129	57	59.7	2	0.16
349	... ..	8.9	2	7	35	29.89	122	59	43.6	1	0.19
350	Taylor 3195 ...	8.0	2	7	36	31.66	150	19	13.8	1	0.19

319.—Groombridge 1119.

334.—S Canis Minoris Var. 2. Period 352 days. Range, 8.5 to below 13th magnitude.

343.—Observed by mistake for the planet Leda.

347.—8 Geminorum Var. 3. Period 294 days. Range, 8.3 to below 14th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
316	55 Geminorum 8 ..	+ 3 5916	- 0 0072	0 000	+ 6 202	+ 0 495	+ 0 02	2410
317	... ..	+ 0 6000	- 0 0119	...	+ 6 248	+ 0 080	...	..
318	Taylor 3005 ...	+ 0 9652	- 0 0071	...	+ 6 488	+ 0 130	...	..
319	R. P. L. 45 ...	+ 76 4923	- 27 7358	- 0 323	+ 6 575	+ 10 528	- 0 01	2320
320	Lacaille 2805 ...	+ 0 5815	- 0 0132	...	+ 6 642	+ 0 077	...	..
321	... ..	+ 2 0226	+ 0 0000	...	+ 6 665	+ 0 273	...	..
322	... ..	+ 3 5487	- 0 0074	...	+ 6 703	+ 0 494	...	..
323	63 Geminorum ..	+ 3 5727	- 0 0078	- 0 004	+ 6 837	+ 0 487	+ 0 10	2460
324	... ..	+ 0 6481	- 0 0127	...	+ 6 846	+ 0 086	...	..
325	Taylor 3054 ...	+ 0 7397	- 0 0111	...	+ 6 865	+ 0 098	...	..
326	... ..	+ 1 9500	+ 0 0006	...	+ 6 990	+ 0 264	...	..
327	... ..	+ 2 0329	+ 0 0009	...	+ 7 146	+ 0 274	...	..
328	... ..	+ 4 4585	- 0 0256	...	+ 7 156	+ 0 605	...	..
329	... ..	+ 2 0551	+ 0 0000	...	+ 7 181	+ 0 277	...	..
330	... ..	+ 0 6452	- 0 0135	...	+ 7 201	+ 0 085	...	..
331	... ..	+ 2 0201	+ 0 0009	...	+ 7 250	+ 0 272	...	..
332	... ..	+ 2 3228	+ 0 0011	...	+ 7 253	+ 0 313	...	..
333	... ..	+ 2 2585	+ 0 0011	...	+ 7 270	+ 0 304	...	..
334	S Can. Min. Var. 2 ..	+ 3 2605	- 0 0044	...	+ 7 302	+ 0 440	...	..
335	... ..	+ 2 0529	+ 0 0009	...	+ 7 308	+ 0 276	...	..
336	66 Gem. a ⁹ (Castor) ..	+ 3 8548	- 0 0183	- 0 013	+ 7 349	+ 0 519	+ 0 08	2485
337	... ..	+ 2 0386	+ 0 0009	...	+ 7 403	+ 0 273	...	..
338	... ..	+ 0 6167	+ 0 0146	...	+ 7 450	+ 0 081	...	..
339	... ..	+ 2 0424	+ 0 0000	...	+ 7 510	+ 0 273	...	..
340	... ..	- 0 0933	- 0 0300	...	+ 7 732	- 0 016	...	..
341	... ..	+ 1 0937	+ 0 0008	...	+ 7 765	+ 0 265	...	..
342	... ..	+ 2 0190	+ 0 0009	...	+ 7 831	+ 0 272	...	..
343	10 Can. Min. a (Procyon) ..	+ 3 1919	- 0 0041	- 0 018	+ 7 854	+ 0 425	+ 1 08	2522
344	Lacaille 2893 ...	+ 2 3093	+ 0 0012	...	+ 7 897	+ 0 307	...	..
345	... ..	+ 0 6411	- 0 0153	...	+ 7 925	+ 0 083	...	..
346	... ..	+ 3 5566	- 0 0093	...	+ 8 043	+ 0 472	...	..
347	S Geminorum Var. 3. ..	+ 3 6120	- 0 0102	...	+ 8 047	+ 0 480	...	..
348	... ..	+ 2 0467	+ 0 0008	...	+ 8 080	+ 0 270	...	..
349	... ..	+ 0 6724	- 0 0152	...	+ 8 104	+ 0 087	...	..
350	Taylor 3195 ...	+ 0 9314	- 0 0105	...	+ 8 203	+ 0 120	...	..

319 — Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
351	... ..	7.5	2	7	36	46.40	129	57	25.8	2	0.16
352	78 Geminorum β (Pollux).	1.1	...	7	37	3.07	61	39	4.2	9	0.11
353	... ..	10.3	1	7	37	24.89	68	29	51.7	1	0.06
354	... ..	8.5	1	7	37	35.35	130	58	11.8	1	0.14
355	... ..	7.7	1	7	37	48.71	128	53	1.6	1	0.14
356	... ..	7.0	1	7	39	7.60	131	8	46.0	1	0.17
357	... ..	8.8	2	7	41	19.42	151	34	39.1	2	0.10
358	... ..	8.5	1	7	42	4.81	153	4	30.7	1	0.16
359	Lacaille 3031	8.0	1	7	44	5.60	153	51	48.5	1	0.13
360	.. ..	9.0	2	7	44	11.97	130	56	9.9	2	0.16
361	Brisbane 1791	7.8	1	7	46	10.90	144	24	46.4	1	0.14
362	... ..	8.8	1	7	46	30.77	144	22	35.1	1	0.14
363	... ..	8.5	1	7	47	6.87	153	20	55.8	1	0.17
364	... ..	10.7	1	7	47	13.22	67	42	57.7	1	0.06
365	Taylor 3310	9.0	1	7	47	33.67	149	18	2.8	1	0.15
366	... ..	9.6	1	7	48	44.65	129	54	58.5	1	0.17
367	1 Cancri	5.9	...	7	49	19.51	73	51	7.3	1	0.10
368	... ..	7.1	1	7	49	30.25	152	35	4.5	1	0.19
369	... ..	8.2	1	7	49	53.40	129	17	31.1	1	0.15
370	.. ..	7.7	1	7	49	56.67	149	8	37.3	1	0.14
371	... ..	9.3	1	7	51	39.78	151	37	3.7	1	0.17
372	... ..	8.1	2	7	52	1.90	148	22	34.1	2	0.13
373	6 Cancri	5.0	...	7	55	13.36	61	49	40.7	8	0.14
374	Brisbane 1855	0.8	1	7	55	28.87	152	55	57.9	1	0.18
375	.. ..	9.2	1	7	57	40.48	156	24	30.2	1	0.18
376	Lacaille 3154	5.6	2	7	58	37.56	153	11	40.3	2	0.16
377	... ..	10.7	2	8	0	18.57	78	29	52.1	2	0.06
378	... ..	8.9	1	8	1	23.81	150	31	32.3	1	0.17
379	Lacaille 3174	8.0	2	8	1	26.26	155	38	6.0	2	0.15
380	15 Argus	2.9	...	8	1	47.74	113	55	2.3	6	0.17
381	.. ..	9.0	1	8	2	14.12	128	39	37.1	1	0.15
382	16 Cancri 3	4.7	...	8	4	28.08	71	56	54.6	2	0.08
383	... ..	9.7	1	8	4	33.28	154	40	41.2	1	0.17
384	... ..	9.6	1	8	5	39.36	128	38	57.1	1	0.15
385	... ..	8.0	1	8	6	5.87	128	40	43.6	1	0.21

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
351	... ..	+ 2.0503	+ 0.0008	...	+ 8.210	+ 0.269	...	...
352	78 Gen. β (Pollux)...	+ 3.7297	- 0.0128	- 0.049	+ 8.241	+ 0.491	+ 0.06	2555
353	... ..	+ 3.5520	- 0.0095	...	+ 8.270	+ 0.468	...	...
354	... ..	+ 2.0147	+ 0.0008	...	+ 8.284	+ 0.264	...	...
355	... ..	+ 2.0906	+ 0.0010	...	+ 8.302	+ 0.274	...	...
356	... ..	+ 2.0114	+ 0.0000	...	+ 8.406	+ 0.262	...	...
357	... ..	+ 0.8302	- 0.0128	...	+ 8.380	+ 0.107	...	...
358	... ..	+ 0.6964	- 0.0161	...	+ 8.640	+ 0.088	...	...
359	Lacaille 3034 ...	+ 0.6235	- 0.0180	...	+ 8.798	+ 0.078	...	...
360	... ..	+ 2.0303	+ 0.0008	...	+ 8.807	+ 0.262	...	...
361	Brisbane 1791 ...	+ 1.4011	- 0.0043	...	+ 8.975	+ 0.179	...	...
362	... ..	+ 1.4041	- 0.0042	...	+ 8.989	+ 0.179	...	...
363	... ..	+ 0.6938	- 0.0170	...	+ 9.036	+ 0.086	...	...
364	... ..	+ 3.5610	- 0.0108	...	+ 9.044	+ 0.439	...	...
365	Taylor 3310 ...	+ 1.0683	- 0.0095	...	+ 9.149	+ 0.135	...	...
366	... ..	+ 2.0771	+ 0.0010	...	+ 9.163	+ 0.260	...	...
367	1 Cancri ...	+ 3.4160	- 0.0084	- 0.001	+ 9.208	+ 0.439	+ 0.04	2639
368	... ..	+ 0.7830	- 0.0153	...	+ 9.222	+ 0.098	...	...
369	... ..	+ 2.1015	+ 0.0011	...	+ 9.252	+ 0.268	...	...
370	... ..	+ 1.0869	- 0.0092	...	+ 9.256	+ 0.137	...	...
371	... ..	+ 0.8855	- 0.0135	...	+ 9.389	+ 0.110	...	...
372	... ..	+ 1.1554	- 0.0083	...	+ 9.418	+ 0.145	...	...
373	6 Cancri ...	+ 3.6994	- 0.0148	- 0.005	+ 9.603	+ 0.468	+ 0.07	2672
374	Brisbane 1855 ...	+ 0.7809	- 0.0165	...	+ 9.653	+ 0.096	...	2680
375	... ..	+ 0.4058	- 0.0273	...	+ 9.851	+ 0.048	...	...
376	Lacaille 3154 ...	+ 0.7726	- 0.0172	...	+ 9.923	+ 0.094	...	2713
377	... ..	+ 3.3075	- 0.0074	...	+ 10.051	+ 0.414	...	...
378	... ..	+ 1.0307	- 0.0116	...	+ 10.133	+ 0.126	...	...
379	Lacaille 3174 ...	+ 0.5247	- 0.0246	...	+ 10.136	+ 0.062	...	...
380	15 Argus ...	+ 2.5608	+ 0.0009	- 0.007	+ 10.163	+ 0.318	- 0.06	2728
381	... ..	+ 2.1510	+ 0.0015	...	+ 10.196	+ 0.266	...	...
382	16 Cancri 5 ...	+ 3.4422	- 0.0108	+ 0.004	+ 10.364	+ 0.426	+ 0.11	2744
383	... ..	+ 0.6535	- 0.0217	...	+ 10.371	+ 0.078	...	...
384	... ..	+ 2.1596	+ 0.0016	...	+ 10.453	+ 0.265	...	...
385	... ..	+ 2.1597	+ 0.0010	...	+ 10.486	+ 0.264	...	...

367 —The proper motions taken from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
386	... ..	9.3	2	8	8	36.16	128	38	35.0	2	0.18
387	R Cancri Var. 1 ...	7.6	2	8	9	7.07	77	51	44.0	2	0.10
388	... ..	9.2	1	8	9	27.79	74	16	13.5	1	0.06
389	W. B. N. VIII. 178 ...	9.6	1	8	9	58.75	74	16	26.2	1	0.06
390	... ..	9.4	2	8	10	19.08	150	32	49.8	2	0.17
391	... ..	9.3	1	8	10	27.32	151	26	28.7	1	0.18
392	... ..	8.8	2	8	11	23.32	152	4	42.0	2	0.14
393	... ..	8.5	1	8	13	22.82	131	41	24.8	1	0.19
394	... ..	9.5	1	8	14	31.53	154	5	17.7	1	0.21
395	... ..	8.2	2	8	14	52.04	142	17	6.5	2	0.20
396	Lacaille 3297 ...	8.2	2	8	15	1.98	153	59	1.9	2	0.12
397	20 Cancri d ¹ ...	5.9	...	8	15	37.82	71	14	14.0	1	0.18
398	... ..	9.5	1	8	16	29.04	77	31	59.3	1	0.14
399	... ..	8.8	1	8	17	25.74	77	49	19.5	1	0.13
400	... ..	9.7	1	8	17	59.65	154	22	54.4	2	0.20
401	... ..	9.8	2	8	18	38.82	70	2	10.3	2	0.07
402	... ..	9.7	2	8	18	47.94	151	0	55.9	2	0.19
403	Taylor 3599 ...	8.0	1	8	20	18.26	144	52	57.1	1	0.19
404	W. B. N. VIII. 459 ...	8.2	1	8	20	20.45	74	27	31.4	1	0.08
405	... ..	9.0	1	8	21	5.05	153	18	20.1	1	0.07
406	20 Cancri ...	5.9	...	8	21	5.20	75	20	42.2	2	0.08
407	... ..	8.0	2	8	21	32.24	131	41	46.8	2	0.21
408	Taylor 3620 ...	7.9	1	8	23	12.00	130	47	59.7	1	0.13
409	... ..	8.3	1	8	23	34.49	128	38	46.5	1	0.23
410	33 Cancri w ...	5.5	...	8	24	53.55	69	6	11.1	10	0.16
411	Taylor 3651 ...	7.8	1	8	25	41.92	130	3	32.7	1	0.23
412	Taylor 3652 ...	8.0	1	8	25	46.10	130	2	52.1	1	0.23
413	... ..	9.0	1	8	28	42.53	75	19	20.0	2	0.15
414	W. B. N. VIII. 684 ...	8.7	2	8	29	4.28	70	39	7.0	2	0.20
415	Lacaille 3430 ...	7.9	3	8	29	13.85	151	52	52.7	3	0.22
416	W. B. N. VIII. 699 ...	9.0	1	8	29	34.37	70	39	49.9	1	0.21
417	... ..	8.0	1	8	31	14.75	129	45	37.0	1	0.08
418	Taylor 3710 ...	8.0	1	8	31	26.01	141	21	17.5	1	0.12
419	... ..	9.0	1	8	33	11.82	129	23	40.3	1	0.25
420	... ..	8.8	3	8	34	9.35	154	20	36.8	3	0.21

387. R Cancri Var. 1.—Period 354 days. Range, 6th to 12th magnitude.
 389—390.—Comparison stars for Ariadne in 1863.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in D. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
386	... ..	+ 2.1670	+ 0.0017	...	+ 10.672	+ 0.263	...	...
387	R Cancri Var. 1. ...	+ 3.3152	- 0.0080	...	+ 10.711	+ 0.404	...	...
388	... ..	+ 3.3002	- 0.0093	...	+ 10.736	+ 0.413	...	...
389	W. B. N. VIII. 178...	+ 3.3596	- 0.0096	...	+ 10.774	+ 0.412	...	...
390	... ..	+ 1.0771	- 0.0116	...	+ 10.800	+ 0.127	...	...
391	... ..	+ 1.0030	- 0.0133	...	+ 10.809	+ 0.118	...	...
392	... ..	+ 0.9526	- 0.0147	...	+ 10.878	+ 0.112	...	...
393	... ..	+ 2.0773	+ 0.0015	...	+ 11.024	+ 0.248	...	...
394	... ..	+ 0.7808	- 0.0198	...	+ 11.107	+ 0.090	...	...
395	... ..	+ 1.6340	- 0.0021	...	+ 11.132	+ 0.193	...	...
396	Lacaille 3297 ...	+ 0.7947	- 0.0195	...	+ 11.144	+ 0.091	...	...
397	29 Cancri d ¹ ...	+ 3.4491	- 0.0114	- 0.005	+ 11.187	+ 0.413	+ 0.02	2799
398	... ..	+ 3.3168	- 0.0083	...	+ 11.250	+ 0.395	...	...
399	... ..	+ 3.3103	- 0.0084	...	+ 11.318	+ 0.394	...	...
400	... ..	+ 0.7742	- 0.0207	...	+ 11.359	+ 0.088	...	...
401	... ..	+ 3.4716	- 0.0122	...	+ 11.406	+ 0.413	...	...
402	... ..	+ 1.0878	- 0.0122	...	+ 11.417	+ 0.126	...	...
403	Taylor 3599 ...	+ 1.5162	- 0.0089	...	+ 11.525	+ 0.176	...	...
404	W. B. N. VIII. 459...	+ 3.3764	- 0.0100	...	+ 11.527	+ 0.398	...	...
405	... ..	+ 0.9012	- 0.0175	...	+ 11.581	+ 0.102	...	...
406	29 Corvi ...	+ 3.3575	- 0.0096	- 0.002	+ 11.581	+ 0.395	+ 0.01	2536
407	... ..	+ 2.1010	+ 0.0018	...	+ 11.612	+ 0.245	...	...
408	Taylor 3620 ...	+ 2.1361	+ 0.0020	...	+ 11.733	+ 0.248	...	...
409	... ..	+ 2.2060	+ 0.0023	...	+ 11.757	+ 0.256	...	...
410	33 Cancri γ ...	+ 3.4838	- 0.0129	- 0.005	+ 11.852	+ 0.404	+ 0.06	2562
411	Taylor 3651 ...	+ 2.1675	+ 0.0022	...	+ 11.908	+ 0.249	...	...
412	Taylor 3652 ...	+ 2.1681	+ 0.0022	...	+ 11.912	+ 0.249	...	...
413	... ..	+ 3.3511	- 0.0092	...	+ 12.119	+ 0.384	...	...
414	W. B. N. VIII. 684...	+ 3.4457	- 0.0124	...	+ 12.145	+ 0.395	...	...
415	Lacaille 3430 ...	+ 1.0820	- 0.0135	...	+ 12.155	+ 0.121	...	...
416	W. B. N. VIII. 690...	+ 3.4448	- 0.0134	...	+ 12.179	+ 0.394	...	...
417	... ..	+ 2.1933	+ 0.0014	...	+ 12.295	+ 0.222	...	...
418	Taylor 3710 ...	+ 1.7519	- 0.0006	...	+ 12.303	+ 0.197	...	...
419	... ..	+ 2.2104	+ 0.0026	...	+ 12.429	+ 0.248	...	...
420	... ..	+ 0.8949	- 0.0197	...	+ 12.495	+ 0.007	...	...

397.—406.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
421	... ..	7.8	1	8	34	41.72	129	46	35.1	1	0.08
422	Lacaille 3401 ...	7.0	1	8	36	2.46	132	22	2.7	1	0.03
423	b Velorum... ..	4.1	...	8	36	8.55	136	10	12.6	2	0.19
424	Taylor 3767 ...	7.2	1	8	36	21.27	140	50	28.7	1	0.13
425	47 Cancri 3 ...	4.3	...	8	37	0.48	71	21	7.0	2	0.11
426	... ..	9.3	2	8	37	18.16	136	3	45.8	2	0.22
427	... ..	8.2	1	8	37	52.45	136	5	47.3	1	0.18
428	50 Cancri A ³ ...	5.8	...	8	39	32.00	77	23	48.7	1	0.26
429	11 Hydre e ...	3.6	...	8	39	37.48	53	5	17.9	17	0.16
430	... ..	8.6	1	8	40	31.66	129	15	46.7	1	0.24
431	... ..	8.6	2	8	41	3.24	147	16	55.8	2	0.21
432	Lacaille 3534 ...	8.0	1	8	42	19.54	129	18	19.3	1	0.24
433	... ..	9.3	2	8	42	57.61	136	10	42.7	2	0.24
434	Lacaille 3573 ...	8.0	2	8	44	14.16	162	41	38.6	2	0.19
435	... ..	9.0	1	8	45	49.08	86	27	25.5	1	0.23
436	... ..	8.1	2	8	46	46.21	132	53	28.2	2	0.19
437	... ..	8.2	2	8	46	58.00	136	6	15.7	2	0.23
438	... ..	9.1	2	8	47	42.17	132	56	8.0	2	0.19
439	... ..	8.0	2	8	48	46.85	133	1	22.1	3	0.21
440	T Cancri Var. 3 ...	8.5	2	8	48	57.23	60	38	12.6	2	0.18
441	... ..	8.0	1	8	49	15.68	132	54	32.9	1	0.14
442	... ..	7.9	1	8	49	22.19	132	59	13.7	1	0.23
443	9 Ursa Majoris ...	3.2	...	8	49	50.89	41	25	50.9	2	0.21
444	... ..	8.1	2	8	50	17.41	132	57	9.5	2	0.17
445	65 Cancri a ...	4.3	...	8	51	6.13	77	37	19.8	4	0.09
446	... ..	9.7	1	8	51	23.37	147	13	46.1	1	0.19
447	... ..	9.3	1	8	51	56.95	137	24	54.8	1	0.26
448	... ..	8.1	1	8	53	59.62	132	55	51.6	1	0.16
449	... ..	8.9	1	8	54	11.62	142	41	23.0	1	0.23
450	... ..	8.6	2	8	54	59.43	142	49	11.8	2	0.18
451	... ..	9.6	2	8	56	21.28	146	51	14.5	2	0.23
452	... ..	8.2	2	8	56	30.00	146	46	17.1	3	0.17
453	... ..	8.7	1	8	56	41.19	146	55	57.0	1	0.15
454	... ..	8.6	1	8	56	56.32	146	35	49.6	1	0.21
455	... ..	9.1	2	8	58	7.22	146	40	57.1	2	0.18

440 — T Cancri Var. 3. Period 484 days. Range, 5th to 10.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
421	... ..	+ 2.2032	+ 0.0027	...	+ 12.632	+ 0.246	...	...
422	Lacaille 3491	+ 1.0876	- 0.0141	...	+ 12.624	+ 0.118	...	2949
423	δ Velorum	+ 1.0903	+ 0.0018	...	+ 12.631	+ 0.221	...	2947
424	Taylor 3767	+ 1.2861	- 0.0089	...	+ 12.645	+ 0.141	...	...
425	47 Cancri δ	+ 3.4214	- 0.0125	- 0.002	+ 12.600	+ 0.382	+ 0.34	2953
426	... ..	+ 1.0961	+ 0.0019	...	+ 12.709	+ 0.220	...	...
427	... ..	+ 1.0997	+ 0.0019	...	+ 12.750	+ 0.220	...	...
428	50 Cancri A ¹	+ 3.3015	- 0.0095	- 0.007	+ 12.860	+ 0.364	+ 0.07	2970
429	11 Hydre ε	+ 3.1963	- 0.0071	- 0.013	+ 12.866	+ 0.351	+ 0.04	2971
430	... ..	+ 2.2365	+ 0.0031	...	+ 12.926	+ 0.244	...	...
431	... ..	+ 1.4840	- 0.0049	...	+ 12.962	+ 0.159	...	...
432	Lacaille 3534	+ 2.2408	+ 0.0032	...	+ 13.046	+ 0.242	...	...
433	... ..	+ 2.0165	+ 0.0023	...	+ 13.089	+ 0.217	...	...
434	Lacaille 3573	+ 1.1104	- 0.0140	...	+ 13.173	+ 0.117	...	3008
435	... ..	+ 3.1341	- 0.0058	...	+ 13.278	+ 0.277	...	...
436	... ..	+ 2.1447	+ 0.0032	...	+ 13.339	+ 0.228	...	...
437	... ..	+ 2.0353	+ 0.0026	...	+ 13.352	+ 0.216	...	...
438	... ..	+ 2.1466	+ 0.0032	...	+ 13.400	+ 0.227	...	...
439	... ..	+ 2.1477	+ 0.0033	...	+ 13.470	+ 0.226	...	...
440	T Cancri Var. 3	+ 3.4395	- 0.0141	...	+ 13.482	+ 3.366	...	...
441	... ..	+ 2.1531	+ 0.0033	...	+ 13.501	+ 0.226	...	...
442	... ..	+ 2.1510	+ 0.0033	...	+ 13.508	+ 0.226	...	...
443	9 Ursa Majoris α	+ 4.1892	- 0.0446	- 0.047	+ 13.546	+ 0.443	+ 0.29	3018
444	... ..	+ 2.1559	+ 0.0034	...	+ 13.568	+ 0.226	...	...
445	65 Cancri α	+ 3.2575	- 0.0098	0.000	+ 13.620	+ 0.346	+ 0.04	3055
446	... ..	+ 1.5474	- 0.0037	...	+ 13.638	+ 0.159	...	...
447	... ..	+ 2.0060	+ 0.0027	...	+ 13.674	+ 0.208	...	...
448	... ..	+ 2.1609	+ 0.0037	...	+ 13.804	+ 0.224	...	...
449	... ..	+ 1.5005	+ 0.0005	...	+ 13.817	+ 0.184	...	...
450	... ..	+ 1.7987	+ 0.0005	...	+ 13.868	+ 0.184	...	...
451	... ..	+ 1.6015	- 0.0026	...	+ 13.953	+ 0.162	...	...
452	... ..	+ 1.6080	- 0.0026	...	+ 13.973	+ 0.162	...	...
453	... ..	+ 1.5992	- 0.0027	...	+ 13.974	+ 0.161	...	...
454	... ..	+ 1.6125	- 0.0023	...	+ 13.990	+ 0.163	...	...
455	... ..	+ 1.6139	- 0.0021	...	+ 14.064	+ 0.162	...	...

429. —Proper motions from "Greenwich Catalogue 1904."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
456	... ..	0.0	1	8	53	11.10	146	18	37.9	1	0.18
457	76 Cancri α	5.0	...	9	0	25.96	78	47	27.9	2	0.03
458	... ..	8.3	2	9	1	5.09	150	1	46.1	2	0.25
459	... ..	8.8	1	9	1	52.45	128	57	23.6	1	0.23
460	Lacaille 3705	7.6	2	9	2	15.22	151	17	18.5	2	0.24
461	... ..	9.0	2	9	3	59.36	132	27	59.0	2	0.19
462	Taylor 4021	7.7	1	9	5	33.14	138	44	27.4	1	0.24
463	... ..	9.0	1	9	6	32.85	138	41	46.0	1	0.04
464	82 Cancri π^3	5.6	...	9	7	46.49	74	30	2.8	1	0.18
465	Lacaille 3747	8.5	1	9	7	46.69	150	24	5.1	1	0.10
466	... ..	10.0	1	9	9	28.14	73	52	56.6	1	0.23
467	Lacaille 3774	8.8	3	9	9	54.93	157	9	59.4	3	0.16
468	83 Cancri	6.6	...	9	11	26.57	71	43	28.4	12	0.18
469	... ..	8.0	1	9	13	6.92	72	18	12.6	1	0.08
470	γ Argus	2.5	...	9	13	28.59	148	42	36.9	2	0.23
471	... ..	9.0	1	9	15	17.47	143	48	55.2	1	0.23
472	... ..	9.3	2	9	15	59.97	25	4	41.1	2	0.24
473	... ..	9.2	1	9	16	19.53	139	1	17.5	1	0.23
474	... ..	9.6	3	9	17	35.95	75	5	42.8	3	0.20
475	O. A. N. 3681	8.9	2	9	17	42.61	25	3	58.9	2	0.24
476	... ..	7.8	1	9	19	32.37	75	6	46.1	1	0.04
477	... ..	8.1	1	9	20	26.81	137	28	12.8	1	0.26
478	... ..	9.0	2	9	20	52.10	153	38	29.2	2	0.17
479	30 Hydræ a Var. 2	2.0	...	9	20	57.15	98	4	31.5	11	0.19
480	Lacaille 3853	8.0	1	9	22	34.35	181	50	32.3	1	0.26
481	25 Ursæ Majoris θ	3.2	...	9	23	48.66	37	42	35.1	1	0.22
482	... ..	9.6	1	9	24	21.34	153	41	1.7	1	0.24
483	Lacaille 3896	8.7	1	9	24	45.35	141	50	4.1	1	0.23
484	Lacaille 3857	7.8	1	9	24	57.13	140	0	49.1	1	0.23
485	... ..	9.0	1	9	26	44.00	145	2	41.4	1	0.23
486	... ..	9.2	1	9	26	57.36	144	53	24.0	1	0.24
487	Taylor 4222	8.0	2	9	27	46.67	146	23	36.8	2	0.22
488	... ..	9.0	1	9	28	1.00	123	46	9.4	1	0.16
489	Taylor 4226	7.3	1	9	28	39.45	146	29	48.4	1	0.24
490	... ..	9.4	1	9	29	34.64	146	33	51.7	1	0.26

472—475.—Comparison stars for Comet 2, 1861.

479.—a Hydræ Var. 2.—Supposed to vary irregularly from 2.0 to 2.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
456	... ..	+ 1.6428	- 0.0018	...	+ 14.068	+ 0.165	...	...
457	76 Cancri α ...	+ 3.2591	- 0.0004	- 0.002	+ 14.208	+ 0.330	0.00	3111
458	... ..	+ 1.4404	- 0.0062	...	+ 14.248	+ 0.142	...	...
459	... ..	+ 2.3141	+ 0.0044	...	+ 14.297	+ 0.231	...	...
460	Lacaille 3705 ...	+ 1.3032	- 0.0083	...	+ 14.320	+ 0.133	...	...
461	... ..	+ 2.2120	+ 0.0045	...	+ 14.425	+ 0.219	...	...
462	Taylor 4021 ...	+ 2.0209	+ 0.0037	...	+ 14.520	+ 0.197	...	...
463	... ..	+ 2.0272	+ 0.0087	...	+ 14.580	+ 0.197	...	...
464	82 Cancri π^1 ...	+ 3.3252	- 0.0117	- 0.004	+ 14.654	+ 0.325	- 0.02	3147
465	Lacaille 3747 ...	+ 1.4652	- 0.0057	...	+ 14.654	+ 0.140	...	...
466	... ..	+ 3.3337	- 0.0121	...	+ 14.755	+ 0.323	...	...
467	Lacaille 3774 ...	+ 0.9260	- 0.0244	...	+ 14.781	+ 0.085	...	...
468	83 Cancri ...	+ 3.3682	- 0.0134	- 0.012	+ 14.871	+ 0.323	+ 0.16	3171
469	... ..	+ 3.3560	- 0.0131	...	+ 14.969	+ 0.320	...	...
470	Argus ...	+ 1.6106	- 0.0022	...	+ 14.990	+ 0.150	...	3186
471	... ..	+ 1.8686	+ 0.0026	...	+ 15.005	+ 0.174	...	...
472	... ..	+ 4.9465	- 0.1123	...	+ 15.135	+ 0.496	...	...
473	... ..	+ 2.0039	+ 0.0048	...	+ 15.154	+ 0.190	...	...
474	... ..	+ 3.3037	- 0.0116	...	+ 15.226	+ 0.307	...	...
475	O. A. N. 9881 ...	+ 4.9313	- 0.1126	...	+ 15.233	+ 0.461	...	...
476	... ..	+ 3.3011	- 0.0116	...	+ 15.337	+ 0.303	...	...
477	... ..	+ 2.1374	+ 0.0057	...	+ 15.388	+ 0.193	...	...
478	... ..	+ 0.8844	- 0.0285	...	+ 15.412	+ 0.076	...	...
479	30 Hydra α Var. 2 ...	+ 2.9506	- 0.0013	- 0.004	+ 15.417	+ 0.268	- 0.03	3223
480	Lacaille 3853 ...	+ 2.3089	+ 0.0063	...	+ 15.506	+ 0.207	...	...
481	25 Ursæ Majoris θ ...	+ 4.1614	- 0.0561	- 0.111	+ 15.575	+ 0.374	+ 0.57	3242
482	... ..	+ 0.9200	- 0.0275	...	+ 15.605	+ 0.077	...	...
483	Lacaille 3896 ...	+ 2.0058	+ 0.0052	...	+ 15.627	+ 0.176	...	...
484	Lacaille 3897 ...	+ 2.0740	+ 0.0067	...	+ 15.638	+ 0.182	...	...
485	... ..	+ 1.8862	+ 0.0087	...	+ 15.735	+ 0.164	...	...
486	... ..	+ 1.8907	+ 0.0038	...	+ 15.747	+ 0.164	...	...
487	Taylor 4222 ...	+ 1.8319	+ 0.0029	...	+ 15.792	+ 0.168	...	...
488	... ..	+ 2.4111	+ 0.0006	...	+ 15.804	+ 0.210	...	...
489	Taylor 4226 ...	+ 1.8332	+ 0.0030	...	+ 15.830	+ 0.157	...	...
490	... ..	+ 1.8364	+ 0.0081	...	+ 15.888	+ 0.156	...	...

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
491	10 Leonis ...	5.0	...	9	30	4.67	82	33	35.0	2	0.11
492	... ..	8.3	2	9	32	56.51	129	47	52.1	2	0.16
493	14 Leonis e ...	3.8	...	9	33	56.40	79	29	43.4	2	0.08
494	Lacaille 3980 ...	8.4	2	9	34	32.35	148	34	2.5	2	0.13
495	... ..	8.8	2	9	34	46.34	130	34	50.9	2	0.24
496	Taylor 4290 ...	7.8	1	9	34	46.43	142	10	50.0	1	0.23
497	... ..	8.3	3	9	34	53.45	151	56	50.3	3	0.17
498	... ..	8.3	3	9	35	35.52	151	56	40.0	3	0.17
499	17 Leonis e ...	3.1	...	9	38	10.99	65	36	22.5	12	0.10
500	... ..	6.0	...	9	39	2.73	82	40	12.2	2	0.26
501	... ..	7.0	1	9	41	52.43	130	40	37.5	1	0.26
502	... ..	9.1	2	9	43	29.05	143	57	8.3	2	0.24
503	... ..	8.2	1	9	43	36.67	143	46	10.7	1	0.23
504	... ..	8.7	1	9	44	7.53	147	1	53.6	1	0.15
505	... ..	9.0	2	9	44	59.51	129	47	38.3	2	0.16
506	... ..	9.0	1	9	45	58.50	129	3	9.4	1	0.24
507	R. P. L. 70 ...	6.5	...	9	46	28.65	5	26	4.7	1	0.22
508	... ..	9.1	2	9	46	29.09	129	7	14.2	2	0.23
509	... ..	9.3	1	9	48	35.65	152	7	57.8	1	0.24
510	... ..	8.9	2	9	50	49.77	145	39	30.3	2	0.23
511	29 Leonis w ...	5.0	...	9	53	4.62	81	18	35.2	13	0.18
512	... ..	9.1	1	9	53	54.93	152	7	4.2	1	0.24
513	... ..	8.1	2	9	54	10.94	143	58	32.8	2	0.26
514	Taylor 4445 ...	8.0	1	9	54	45.18	147	23	57.6	1	0.24
515	... ..	9.0	1	9	55	54.00	147	24	33.3	1	0.15
516	... ..	9.7	2	9	56	1.10	129	57	42.7	2	0.18
517	... ..	9.0	2	9	57	0.84	129	56	50.0	2	0.18
518	... ..	9.0	1	9	57	50.00	145	33	21.5	1	0.26
519	Taylor 4476 ...	7.9	1	9	57	53.68	145	36	22.5	1	0.15
520	... ..	8.7	1	9	58	11.24	143	54	20.0	1	0.26
521	Taylor 4484 ...	7.5	3	9	58	42.35	151	30	18.6	3	0.20
522	33 Leonis u (Regulus) ...	1.4	...	10	1	10.77	77	22	28.3	11	0.22
523	... ..	9.0	1	10	1	23.73	130	0	15.8	1	0.04
524	Lacaille 4164 ...	7.0	1	10	2	14.73	143	54	21.5	1	0.26
525	... ..	9.3	2	10	2	49.25	129	57	53.0	2	0.20

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
491	10 Leonis	+ 3.1783	- 0.0077	- 0.006	+ 16.015	+ 0.276	0.00	3286
492	... ..	+ 2.4054	+ 0.0072	...	+ 16.066	+ 0.203	...	...
493	14 Leonis e	+ 3.2196	- 0.0093	- 0.013	+ 16.118	+ 0.273	+ 0.04	3312
494	Lacaille 3980	+ 1.7750	+ 0.0024	...	+ 16.149	+ 0.147	...	...
495	... ..	+ 2.3940	+ 0.0075	...	+ 16.162	+ 0.200	...	...
496	Taylor 4280	+ 2.0466	+ 0.0065	...	+ 16.161	+ 0.170	...	...
497	... ..	+ 1.5876	- 0.0021	...	+ 16.167	+ 0.130	...	...
498	... ..	+ 1.5939	- 0.0020	...	+ 16.204	+ 0.130	...	...
499	17 Leonis e	+ 3.4237	- 0.0180	- 0.004	+ 16.337	+ 0.282	+ 0.02	3331
500	... ..	+ 3.1713	- 0.0075	...	+ 16.380	+ 0.260	...	3336
501	... ..	+ 2.4173	+ 0.0083	...	+ 16.522	+ 0.193	...	...
502	... ..	+ 2.0415	+ 0.0075	...	+ 16.601	+ 0.160	...	...
503	... ..	+ 2.0490	+ 0.0075	...	+ 16.607	+ 0.160	...	...
504	... ..	+ 1.9204	+ 0.0060	...	+ 16.633	+ 0.150	...	...
505	... ..	+ 2.4533	+ 0.0085	...	+ 16.675	+ 0.192	...	...
506	... ..	+ 2.4734	+ 0.0086	...	+ 16.722	+ 0.192	...	...
507	R. P. L. 70	+ 10.8035	- 1.5890	...	+ 16.747	+ 0.860	...	...
508	... ..	+ 2.4739	+ 0.0086	...	+ 16.747	+ 0.192	...	...
509	... ..	+ 1.7004	+ 0.0017	...	+ 16.848	+ 0.128	...	...
510	... ..	+ 2.0266	+ 0.0082	...	+ 16.953	+ 0.151	...	...
511	29 Leonis r	+ 3.1705	- 0.0080	- 0.003	+ 17.057	+ 0.236	+ 0.03	3415
512	... ..	+ 1.7500	+ 0.0034	...	+ 17.005	+ 0.127	...	...
513	... ..	+ 2.1127	+ 0.0097	...	+ 17.108	+ 0.154	...	...
514	Taylor 4445	+ 1.0822	+ 0.0083	...	+ 17.134	+ 0.143	...	...
515	... ..	+ 1.0942	+ 0.0086	...	+ 17.186	+ 0.143	...	...
516	... ..	+ 2.4951	+ 0.0097	...	+ 17.191	+ 0.180	...	...
517	... ..	+ 2.5002	+ 0.0099	...	+ 17.242	+ 0.179	...	...
518	... ..	+ 2.0815	+ 0.0099	...	+ 17.272	+ 0.147	...	...
519	Taylor 4476	+ 2.0800	+ 0.0100	...	+ 17.276	+ 0.147	...	...
520	... ..	+ 2.1426	+ 0.0105	...	+ 17.288	+ 0.151	...	...
521	Taylor 4484	+ 1.8286	+ 0.0058	...	+ 17.311	+ 0.128	...	...
522	32 Leonis a (Regulus)	+ 3.2204	- 0.0102	- 0.019	+ 17.420	+ 0.225	- 0.01	3450
523	... ..	+ 2.5170	+ 0.0104	...	+ 17.429	+ 0.175	...	...
524	Lacaille 4164	+ 2.1708	+ 0.0115	...	+ 17.465	+ 0.148	...	...
525	... ..	+ 2.5239	+ 0.0106	...	+ 17.490	+ 0.172	...	...

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
526	... ..	8.2	2	10	5	10.16	140	30	3.3	2	0.22
527	Taylor 4538	7.1	1	10	6	12.04	129	19	44.6	1	0.27
528	... ..	9.0	2	10	7	9.77	129	58	20.3	2	0.24
529	... ..	9.2	1	10	9	3.84	139	52	0.4	1	0.24
530	R. P. L. 72	6.6	...	10	9	31.13	5	3	59.6	1	0.70
531	... ..	7.1	1	10	9	53.80	145	34	42.2	1	0.26
532	... ..	9.4	2	10	10	18.74	139	51	29.3	2	0.19
533	41 Leonis γ^1	2.2	...	10	12	31.46	69	28	38.3	9	0.22
534	... ..	9.3	1	10	12	53.97	128	37	14.0	1	0.16
535	43 Leonis	6.2	1	10	15	56.43	52	46	23.7	2	0.26
536	... ..	7.0	1	10	16	14.35	129	16	33.6	1	0.27
537	Taylor 4653	8.0	2	10	18	4.15	151	23	32.1	2	0.22
538	... ..	9.2	1	10	18	47.80	146	8	44.5	1	0.24
539	45 Leonis	5.9	...	10	20	31.07	79	33	3.2	2	0.07
540	... ..	8.2	2	10	21	54.68	146	55	12.5	2	0.27
541	... ..	9.0	1	10	21	58.26	146	50	20.6	1	0.30
542	... ..	9.9	1	10	23	25.13	76	5	36.7	1	0.30
543	47 Leonis ρ	4.0	...	10	25	42.02	79	59	59.9	14	0.22
544	... ..	9.0	1	10	26	32.25	152	26	5.1	1	0.33
545	ρ Carinae	3.6	...	10	27	13.95	150	59	32.6	2	0.23
546	... ..	9.5	1	10	28	6.91	150	50	14.1	1	0.25
547	Taylor 4709	6.0	1	10	30	24.42	146	51	35.0	1	0.30
548	... ..	6.7	1	10	31	0.17	151	9	56.6	2	0.29
549	... ..	9.4	1	10	34	54.78	139	16	58.1	1	0.26
550	... ..	8.5	1	10	35	5.34	140	5	59.4	1	0.27
551	Taylor 4824	7.5	4	10	36	8.66	148	58	21.2	4	0.32
552	... ..	9.4	1	10	36	33.61	150	47	34.8	1	0.25
553	... ..	6.1	1	10	37	32.24	151	29	39.4	1	0.20
554	Taylor 4949	6.8	2	10	38	41.75	149	24	36.5	2	0.31
555	Taylor 4950	8.8	1	10	38	44.51	148	50	25.2	1	0.30
556	... ..	9.0	1	10	39	5.28	148	34	31.8	1	0.27
557	ϵ Argus Var. 1	6.0	1	10	39	40.91	148	58	33.4	3	0.28
558	Taylor 4572	6.0	1	10	41	7.08	151	13	53.3	1	0.26
559	... ..	9.3	2	10	41	58.69	149	28	11.2	2	0.31
560	53 Leonis δ	5.3	...	10	42	9.52	79	44	29.5	11	0.25

530.—Groombridge 1630.

557.— ϵ Argus Var. 1. Irregularly variable from 1st to 5th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	<i>"</i>	<i>"</i>	<i>"</i>	
323	... ..	+ 2.2936	+ 0.0124	...	+ 17.304	+ 0.153	...	...
327	Taylor 4538 ...	+ 2.5504	+ 0.0109	...	+ 17.633	+ 0.169	...	...
328	... ..	+ 2.5123	+ 0.0112	...	+ 17.673	+ 0.167	...	...
329	... ..	+ 2.3311	+ 0.0131	...	+ 17.751	+ 0.150	...	...
330	R. P. L. 72 ...	+ 10.0642	- 1.6641	- 0.079	+ 17.769	+ 0.673	+ 0.05	3405
331	... ..	+ 2.1704	+ 0.0129	...	+ 17.785	+ 0.138	...	...
332	... ..	+ 2.3419	+ 0.0134	...	+ 17.801	+ 0.149	...	...
333	41 Leonis γ^1 ...	+ 3.2982	- 0.0148	+ 0.019	+ 17.800	+ 0.208	+ 0.15	3523
334	... ..	+ 2.5910	+ 0.0115	...	+ 17.905	+ 0.162	...	...
335	43 Leonis ...	+ 3.1465	- 0.0068	- 0.001	+ 18.023	+ 0.194	+ 0.09	3544
336	... ..	+ 2.5338	+ 0.0121	...	+ 18.034	+ 0.158	...	...
337	Taylor 4653 ...	+ 2.0174	+ 0.0129	...	+ 18.104	+ 0.119	...	...
338	... ..	+ 2.2203	+ 0.0152	...	+ 18.131	+ 0.131	...	...
339	45 Leonis ...	+ 3.1758	- 0.0084	- 0.002	+ 18.195	+ 0.187	+ 0.01	3575
340	... ..	+ 2.2202	+ 0.0160	...	+ 18.246	+ 0.126	...	...
341	... ..	+ 2.2184	+ 0.0160	...	+ 18.248	+ 0.126	...	...
342	... ..	+ 3.2075	- 0.0102	...	+ 18.300	+ 0.183	...	...
343	47 Leonis ρ ...	+ 3.1663	- 0.0080	0.000	+ 18.381	+ 0.176	+ 0.03	3600
344	... ..	+ 2.0563	+ 0.0154	...	+ 18.410	+ 0.111	...	...
345	ρ Carinae ...	+ 2.1225	+ 0.0165	...	+ 18.434	+ 0.114	...	3619
346	... ..	+ 2.1371	+ 0.0160	...	+ 18.465	+ 0.114	...	...
347	Taylor 4769 ...	+ 2.2919	+ 0.0184	...	+ 18.542	+ 0.120	...	3635
348	... ..	+ 2.1535	+ 0.0179	...	+ 18.565	+ 0.111	...	...
349	... ..	+ 2.3085	+ 0.0182	...	+ 18.689	+ 0.125	...	...
350	... ..	+ 2.2632	+ 0.0199	...	+ 18.694	+ 0.112	...	...
351	Taylor 4824 ...	+ 2.2709	+ 0.0203	...	+ 18.728	+ 0.111	...	3673
352	... ..	+ 2.2205	+ 0.0202	...	+ 18.740	+ 0.107	...	...
353	... ..	+ 2.2053	+ 0.0205	...	+ 18.771	+ 0.105	...	...
354	Taylor 4849 ...	+ 2.2895	+ 0.0211	...	+ 18.806	+ 0.108	...	3689
355	Taylor 4850: 2nd.	+ 2.3044	+ 0.0211	...	+ 18.807	+ 0.109	...	...
356	... ..	+ 2.3155	+ 0.0213	...	+ 18.818	+ 0.106	...	...
357	η Argus Var. 1 ...	+ 2.3102	+ 0.0215	...	+ 18.840	+ 0.107	...	3705
358	Taylor 4872 ...	+ 2.2504	+ 0.0220	...	+ 18.879	+ 0.102	...	...
359	... ..	+ 2.3177	+ 0.0223	...	+ 18.904	+ 0.105	...	...
360	53 Leonis ι ...	+ 3.1007	- 0.0080	- 0.003	+ 18.910	+ 0.146	+ 0.02	3708

335.—359.—Proper motions from "Greenwich Catalogue 1864."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
561	Taylor 4915	7.6	2	10	46	35.12	135	30	5.5	2	0.23
562	55 Leonis... ..	6.0	...	10	48	45.67	88	32	38.9	2	0.19
563	... ..	9.1	2	10	50	31.68	148	48	24.3	2	0.29
564	Taylor 4955	7.1	1	10	50	43.20	147	19	57.6	1	0.26
565	... ..	9.0	1	10	51	59.30	143	45	47.8	2	0.29
566	... ..	9.0	1	10	52	21.55	143	36	35.9	1	0.23
567	... ..	8.7	2	10	53	35.13	149	15	5.1	2	0.28
568	59 Leonis c	5.1	...	10	53	44.92	83	10	27.0	1	0.19
569	... ..	8.8	3	10	53	49.98	135	33	7.8	3	0.26
570	50 Urs. Maj. a (Dubhe) ...	2.0	...	10	55	22.22	27	31	15.0	4	0.25
571	... ..	8.0	1	10	55	40.50	149	17	7.5	1	0.33
572	... ..	9.3	2	10	57	2.08	145	32	46.8	2	0.26
573	63 Leonis x	4.7	...	10	58	3.08	81	56	5.8	7	0.26
574	Lacaille 4595	8.0	2	10	59	21.53	148	59	11.1	2	0.34
575	Lacaille 4612	8.5	1	10	0	57.36	154	46	54.1	1	0.20
576	... ..	8.4	1	10	1	4.03	135	33	57.3	1	0.26
577	67 Leonis	5.6	...	10	1	31.03	64	36	42.2	1	0.30
578	... ..	8.1	1	10	1	51.74	149	14	4.9	1	0.33
579	... ..	8.0	1	10	2	0.72	148	56	29.6	2	0.34
580	Lalande 21371	8.0	1	11	3	33.52	77	58	0.0	1	0.22
581	Lalande 21416	9.1	1	11	5	1.86	67	12	40.5	1	0.32
582	... ..	8.1	1	11	5	51.90	148	59	4.2	1	0.33
583	Taylor 5108	5.9	1	11	6	49.42	149	35	3.9	1	0.19
584	61 Leonis p ^b	5.5	...	11	6	50.87	89	20	9.7	1	0.11
585	68 Leonis 3	2.7	...	11	6	55.45	68	44	14.9	5	0.26
586	... ..	9.3	1	11	8	36.00	150	51	9.3	1	0.23
587	... ..	8.7	1	11	9	47.15	147	15	18.7	1	0.30
588	74 Leonis φ	4.5	...	11	9	47.75	92	54	23.1	2	0.19
589	... ..	8.5	1	11	10	28.25	148	58	9.4	1	0.23
590	... ..	9.0	1	11	10	34.06	141	8	55.0	1	0.20
591	... ..	8.3	1	11	11	10.92	127	38	41.8	1	0.32
592	12 Hydra & Crateris 3 ..	3.9	...	11	13	35.50	104	2	51.6	6	0.25
593	... ..	7.7	1	11	12	51.47	129	32	27.0	1	0.33
594	... ..	7.9	2	11	15	62.77	128	21	55.8	2	0.26
595	Lacaille 4736	8.1	3	11	16	8.03	145	51	49.6	3	0.27

577 — Comparison star for Thulin in 1902.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
561	Taylor 4915 ...	+ 2.6437	+ 0.0190	...	+ 19.085	+ 0.113	...	...
562	55 Leonis ...	+ 3.0825	- 0.0026	+ 0.007	+ 19.094	+ 0.130	0.00	3740
563	... ..	+ 2.4134	+ 0.0254	...	+ 19.142	+ 0.097	...	...
564	Taylor 4955 ...	+ 2.4512	+ 0.0250	...	+ 19.146	+ 0.097	...	...
565	... ..	+ 2.5385	+ 0.0239	...	+ 19.178	+ 0.100	...	...
566	... ..	+ 2.5445	+ 0.0239	...	+ 19.183	+ 0.100	...	...
567	... ..	+ 2.4299	+ 0.0267	...	+ 19.219	+ 0.093	...	...
568	59 Leonis c ...	+ 3.1178	- 0.0052	- 0.005	+ 19.222	+ 0.122	+ 0.06	3709
569	... ..	+ 2.6843	+ 0.0204	...	+ 19.225	+ 0.103	...	...
570	50 Urs. Maj a (Dubhe)	+ 3.7861	- 0.0821	- 0.017	+ 19.263	+ 0.144	+ 0.09	3777
571	... ..	+ 2.4487	+ 0.0274	...	+ 19.270	+ 0.091	...	...
572	... ..	+ 2.5431	+ 0.0202	...	+ 19.303	+ 0.093	...	...
573	63 Leonis x ...	+ 3.1226	- 0.0056	- 0.024	+ 19.327	+ 0.113	+ 0.08	3783
574	Lacaille 4595 ...	+ 2.4910	+ 0.0287	...	+ 19.358	+ 0.087	...	...
575	Lacaille 4612 ...	+ 2.3483	+ 0.0315	...	+ 19.393	+ 0.079	...	...
576	... ..	+ 2.7253	+ 0.0216	...	+ 19.395	+ 0.093	...	...
577	67 Leonis ...	+ 3.2322	- 0.0164	+ 0.003	+ 19.407	+ 0.111	- 0.01	3809
578	... ..	+ 2.5084	+ 0.0297	...	+ 19.413	+ 0.084	...	...
579	... ..	+ 2.5164	+ 0.0293	...	+ 19.416	+ 0.084	...	...
580	Lalande 21371 ...	+ 3.1416	- 0.0076	...	+ 19.450	+ 0.105	...	...
581	Lalande 21416 ...	+ 3.2055	- 0.0144	...	+ 19.451	+ 0.103	...	...
582	... ..	+ 2.5517	+ 0.0311	...	+ 19.498	+ 0.079	...	...
583	Taylor 5108 ...	+ 2.5484	+ 0.0319	...	+ 19.517	+ 0.077	...	3835
584	69 Leonis p ³ ...	+ 3.0757	- 0.0013	0.000	+ 19.519	+ 0.095	0.00	3832
585	68 Leonis s ...	+ 3.1914	- 0.0132	+ 0.011	+ 19.520	+ 0.098	+ 0.14	3834
586	... ..	+ 2.5392	+ 0.0441	...	+ 19.552	+ 0.074	...	...
587	... ..	+ 2.6289	+ 0.0319	...	+ 19.595	+ 0.073	...	...
588	74 Leonis φ ...	+ 3.0573	+ 0.0006	- 0.009	+ 19.576	+ 0.089	+ 0.04	3843
589	... ..	+ 2.5962	+ 0.0328	...	+ 19.588	+ 0.073	...	...
590	... ..	+ 2.7169	+ 0.0273	...	+ 19.591	+ 0.077	...	...
591	... ..	+ 2.5541	+ 0.0186	...	+ 19.602	+ 0.080	...	...
592	12 Hydrie & Crateris	+ 3.0033	+ 0.0064	- 0.009	+ 19.628	+ 0.081	- 0.18	3859
593	... ..	+ 2.8467	+ 0.0200	...	+ 19.632	+ 0.077	...	...
594	... ..	+ 2.8696	+ 0.0197	...	+ 19.684	+ 0.072	...	...
595	Lacaille 4726 ...	+ 2.6969	+ 0.0324	...	+ 19.689	+ 0.067	...	...

577.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	'	"		
596	79 Leonis	5.5	...	11	17	6.62	87	51	6.8	1	0.26
597	Taylor 5220	8.0	2	11	19	3.47	131	55	51.9	2	0.28
598	... ..	9.4	2	11	21	45.09	128	23	6.3	2	0.26
599	Taylor 5245	8.6	2	11	22	5.86	131	56	7.9	2	0.33
600	... ..	9.2	1	11	22	51.03	145	54	4.0	1	0.21
601	O. A. N. 11812	9.2	2	11	23	12.81	22	58	4.8	2	0.31
602	... ..	8.6	4	11	24	33.78	22	56	11.9	4	0.31
603	... ..	9.1	1	11	25	23.80	128	27	8.0	1	0.31
604	... ..	9.4	3	11	25	50.47	128	23	6.4	3	0.25
605	... ..	9.0	1	11	26	39.42	151	4	24.1	1	0.20
606	... ..	9.3	3	11	28	22.77	128	20	27.7	3	0.28
607	α Centauri	3.4	...	11	29	34.29	153	16	25.7	2	0.21
608	... ..	8.1	2	11	29	53.92	149	16	2.4	2	0.35
609	91 Leonis ϵ	4.5	...	11	30	2.18	90	4	44.0	7	0.26
610	... ..	9.2	1	11	32	12.24	144	14	53.9	1	0.30
611	... ..	8.2	3	11	33	10.29	144	14	56.4	3	0.27
612	W. B. E. XI. 571	8.0	1	11	33	28.83	88	18	0.2	1	0.23
613	... ..	7.5	2	11	34	23.38	144	21	2.2	3	0.31
614	W. B. E. XI. 597	9.1	1	11	34	46.72	88	15	25.3	1	0.32
615	... ..	9.0	1	11	38	45.08	129	34	22.3	1	0.32
616	... ..	9.2	1	11	40	59.87	140	52	24.3	1	0.22
617	... ..	8.6	2	11	41	15.29	129	52	25.9	2	0.27
618	94 Leonis β (Deneb)	2.2	...	11	42	10.31	74	40	25.4	8	0.31
619	Taylor 5421	7.6	3	11	43	13.89	129	31	34.6	3	0.27
620	ζ Virginis β	3.7	...	11	43	39.72	87	28	29.3	3	0.27
621	... ..	8.0	3	11	44	47.07	129	2	59.9	3	0.34
622	Taylor 5439	8.4	1	11	44	54.57	129	33	25.1	1	0.22
623	Groombridge 1830	6.4	...	11	45	11.23	51	18	50.1	1	0.30
624	... ..	9.3	1	11	45	54.53	142	31	19.8	1	0.23
625	61 Ursæ Majoris γ	2.6	...	11	46	43.48	35	33	18.0	1	0.25
626	Lacaille 4937	7.1	1	11	48	18.29	152	31	43.0	1	0.28
627	... ..	8.0	4	11	50	40.02	150	42	21.2	4	0.25
628	Lacaille 4956	8.3	1	11	51	12.88	154	34	17.8	1	0.24
629	... ..	8.6	1	11	51	24.85	128	52	55.6	2	0.31
630	... ..	9.5	1	11	52	42.47	154	38	40.3	1	0.29

601.—622.—Comparison stars for Comet 2, 1861.

612.—614.—Comparison stars for Amphitrite in 1862.

629.—Double: the companion (9.0) 30" north.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in H. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
596	79 Leonis ...	+ 3.0814	- 0.0016	- 0.002	+ 19.705	+ 0.076	+ 0.02	3579
597	Taylor 5220 ...	+ 2.8587	+ 0.0225	...	+ 19.736	+ 0.066	...	...
598	... ..	+ 2.8061	+ 0.0205	...	+ 19.776	+ 0.061	...	...
599	Taylor 5245 ...	+ 2.8744	+ 0.0230	...	+ 19.781	+ 0.060	...	3007
600	... ..	+ 2.7534	+ 0.0344	...	+ 19.791	+ 0.056	...	...
601	O. A. N. 11812 ...	+ 3.5763	- 0.0930	...	+ 19.797	+ 0.075	...	...
602	... ..	+ 3.5587	- 0.0923	...	+ 19.816	+ 0.071	...	...
603	... ..	+ 2.9124	+ 0.0210	...	+ 19.827	+ 0.055	...	...
604	... ..	+ 2.9148	+ 0.0211	...	+ 19.833	+ 0.054	...	...
605	... ..	+ 2.7214	+ 0.0415	...	+ 19.843	+ 0.049	...	...
606	... ..	+ 2.9267	+ 0.0214	...	+ 19.864	+ 0.050	...	...
607	α Centauri ...	+ 2.7354	+ 0.0443	0.000	+ 19.878	+ 0.044	0.00	3941
608	... ..	+ 2.7776	+ 0.0406	...	+ 19.882	+ 0.044	...	...
609	91 Leonis ν ...	+ 3.0718	+ 0.0003	- 0.003	+ 19.884	+ 0.049	- 0.03	3946
610	... ..	+ 2.8474	+ 0.0356	...	+ 19.908	+ 0.041	...	...
611	... ..	+ 2.8551	+ 0.0360	...	+ 19.918	+ 0.039	...	...
612	W. B. E. XI. 571 ...	+ 3.0767	- 0.0005	...	+ 19.921	+ 0.043	...	...
613	... ..	+ 2.8641	+ 0.0364	...	+ 19.930	+ 0.037	...	...
614	W. B. E. XI. 597 ...	+ 3.0765	- 0.0004	...	+ 19.933	+ 0.041	...	...
615	... ..	+ 2.9698	+ 0.0237	...	+ 19.969	+ 0.031	...	...
616	... ..	+ 2.8813	+ 0.0458	...	+ 19.986	+ 0.026	...	...
617	... ..	+ 2.9819	+ 0.0240	...	+ 19.988	+ 0.027	...	...
618	94 Leonis β (Deneb)...	+ 3.1005	- 0.0074	- 0.036	+ 19.994	+ 0.025	+ 0.10	3995
619	Taylor 5421 ...	+ 2.9915	+ 0.0242	...	+ 20.001	+ 0.023	...	...
620	5 Virginia β ...	+ 3.0763	- 0.0003	+ 0.048	+ 20.004	+ 0.023	+ 0.28	4002
621	... ..	+ 3.0002	+ 0.0241	...	+ 20.011	+ 0.020	...	...
622	Taylor 5433 ...	+ 2.9995	+ 0.0246	...	+ 20.012	+ 0.020	...	...
623	Groombridge 1530 ...	+ 3.1413	- 0.0239	+ 0.346	+ 20.013	+ 0.021	+ 5.78	4010
624	... ..	+ 2.9650	+ 0.0373	...	+ 20.018	+ 0.017	...	...
625	64 Uran Majoris γ ...	+ 3.1503	- 0.0433	+ 0.011	+ 20.022	+ 0.017	0.00	4017
626	Lacaille 4937 ...	+ 2.9409	+ 0.0538	...	+ 20.029	+ 0.013	...	...
627	... ..	+ 2.9764	+ 0.0506	...	+ 20.038	+ 0.009	...	...
628	Lacaille 4950 ...	+ 2.9643	+ 0.0598	...	+ 20.040	+ 0.008	...	...
629	... ..	+ 3.0319	+ 0.0240	...	+ 20.041	+ 0.007	...	...
630	... ..	+ 2.9823	+ 0.0600	...	+ 20.045	+ 0.005	...	...

607.—Proper motions from "Strome's Cape Catalogue."

623.—Proper motions from "Greenwich Catalogue 1972."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year.
				h.	m.	s.	°	'	"		
631	... ..	9.6	1	11	53	53.12	129	36	12.2	1	0.33
632	... ..	9.0	1	11	56	20.46	128	30	16.9	1	0.35
633	Taylor 5534	8.3	2	11	56	52.78	143	57	40.3	2	0.29
634	Lacaille 4905	7.5	3	11	56	57.24	142	44	47.1	3	0.35
635	Taylor 5535	8.0	3	11	57	6.63	70	25	50.6	3	0.25
636	R. P. L. 89	6.3	...	11	57	54.38	3	39	55.2	1	0.78
637	... ..	9.0	1	11	59	4.37	128	28	5.8	1	0.24
638	... ..	9.1	2	11	59	34.66	150	19	57.7	3	0.30
639	... ..	8.6	3	12	1	10.97	150	27	47.3	3	0.30
640	Lacaille 5041	8.0	1	12	2	35.93	141	23	34.1	1	0.20
641	2 Corvi e	3.1	...	12	3	11.08	111	52	8.4	8	0.31
642	... ..	9.0	1	12	5	51.28	134	8	28.0	1	0.32
643	... ..	8.5	3	12	5	59.31	150	19	24.6	3	0.28
644	... ..	8.2	1	12	6	15.41	138	27	53.7	1	0.35
645	... ..	9.1	2	12	8	53.31	144	20	34.8	2	0.28
646	... ..	8.1	1	12	11	55.17	150	23	12.7	1	0.26
647	Taylor 5648	7.2	1	12	12	34.47	152	6	17.6	1	0.24
648	R. P. L. 92	6.3	...	12	12	53.60	2	48	48.8	2	0.36
649	15 Virginis η	4.0	...	12	12	50.95	80	54	50.8	13	0.29
650	Lacaille 5119	8.0	1	12	15	25.08	138	34	37.1	1	0.37
651	... ..	8.0	2	12	15	55.25	141	40	15.3	2	0.20
652	... ..	8.8	1	12	16	40.29	147	10	7.0	1	0.38
653	α^1 Crucis	1.3	...	12	19	6.73	152	21	3.0	1	0.38
654	... ..	8.0	1	12	19	6.77	147	21	41.5	1	0.33
655	... ..	9.1	1	12	24	41.91	150	58	59.2	1	0.37
656	... ..	7.5	...	12	25	50.18	28	2	14.1	1	0.39
657	9 Corvi β	2.8	...	12	27	18.01	113	38	59.8	9	0.31
658	Taylor 5755	7.7	2	12	27	49.06	160	59	46.5	2	0.32
659	... ..	9.2	3	12	27	52.38	141	40	15.6	2	0.24
660	... ..	9.2	1	12	27	52.77	140	45	52.7	1	0.38
661	... ..	9.2	1	12	31	54.98	84	30	52.8	1	0.40
662	... ..	9.0	...	12	32	52.57	143	7	43.3	1	0.40
663	... ..	8.7	1	12	33	50.41	145	33	48.6	1	0.32
664	Taylor 5830	7.0	1	12	34	30.15	144	1	13.9	1	0.33
665	29 Virginis γ^1	2.8	...	12	34	49.15	90	42	29.3	3	0.36

636.—Groombridge 1850.

649.—Groombridge 1871.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
631	... ..	+ 3.0425	+ 0.0258	...	+ 20.048	+ 0.008	...	...
632	... ..	+ 3.0555	+ 0.0253	...	+ 20.053	- 0.002	...	...
633	Taylor 5534 ...	+ 3.0471	+ 0.0421	...	+ 20.053	- 0.003	...	...
634	Lacaille 4095 ...	+ 3.0487	+ 0.0404	...	+ 20.053	- 0.003	...	...
635	Taylor 5535 ...	+ 3.0781	- 0.0089	...	+ 20.054	- 0.003	...	...
636	R. P. L. 89 ...	+ 3.2623	- 0.5221	...	+ 20.054	- 0.004	...	4070
637	... ..	+ 3.0678	+ 0.0255	...	+ 20.055	- 0.007	...	...
638	... ..	+ 3.0678	+ 0.0542	...	+ 20.055	- 0.008	...	...
639	... ..	+ 3.0942	+ 0.0540	...	+ 20.054	- 0.011	...	...
640	Lacaille 5041 ...	+ 3.0911	+ 0.0400	...	+ 20.054	- 0.014	...	...
641	2 Corvi ϵ ...	+ 3.0705	+ 0.0142	- 0.005	+ 20.054	- 0.016	- 0.01	4097
642	... ..	+ 3.1052	+ 0.0318	...	+ 20.048	- 0.021	...	...
643	... ..	+ 3.1334	+ 0.0568	...	+ 20.048	- 0.021	...	...
644	... ..	+ 3.1133	+ 0.0869	...	+ 20.048	- 0.022	...	...
645	... ..	+ 3.1443	+ 0.0460	...	+ 20.040	- 0.027	...	...
646	... ..	+ 3.1944	+ 0.0502	...	+ 20.028	- 0.033	...	...
647	Taylor 5648 ...	+ 3.2106	+ 0.0640	...	+ 20.024	- 0.035	...	...
648	R. P. L. 92 ...	+ 1.5412	+ 0.0012	+ 0.415	+ 20.023	- 0.022	+ 0.08	4150
649	15 Virginia η ...	+ 3.0719	+ 0.0027	- 0.007	+ 20.023	- 0.035	+ 0.08	4145
650	Lacaille 5119 ...	+ 3.1739	+ 0.0388	...	+ 20.009	- 0.040	...	...
651	... ..	+ 3.1894	+ 0.0435	...	+ 20.007	- 0.042	...	...
652	... ..	+ 3.2210	+ 0.0535	...	+ 20.000	- 0.044	...	...
653	α^1 Crucis ...	+ 3.2944	+ 0.0680	- 0.006	+ 19.986	- 0.050	+ 0.04	4157
654	... ..	+ 3.2460	+ 0.0546	...	+ 19.985	- 0.040	...	...
655	... ..	+ 3.3314	+ 0.0658	...	+ 19.989	- 0.061	...	...
656	... ..	+ 2.7881	- 0.0420	...	+ 19.926	- 0.055	...	...
657	9 Corvi β ...	+ 3.1383	+ 0.0164	- 0.008	+ 19.913	- 0.064	+ 0.07	4284
658	Taylor 5785... ..	+ 3.3643	+ 0.0670	...	+ 19.907	- 0.068	...	...
659	... ..	+ 3.2773	+ 0.0450	...	+ 19.907	- 0.067	...	...
660	... ..	+ 3.2720	+ 0.0447	...	+ 19.907	- 0.067	...	...
661	... ..	+ 3.0543	+ 0.0009	...	+ 19.561	- 0.071	...	...
662	... ..	+ 3.3269	+ 0.0496	...	+ 19.849	- 0.070	...	...
663	... ..	+ 3.3500	+ 0.0548	...	+ 19.837	- 0.081	...	...
664	Taylor 5830 ...	+ 3.3183	+ 0.0518	...	+ 19.828	- 0.082	...	4206
665	29 Virginia γ^1 ...	+ 3.0745	+ 0.0043	- 0.037	+ 19.825	- 0.078	+ 0.05	4205

648.—Proper motion in Polar Distance from "British Association Catalogue."

653.—Proper motions from "Strome's Cape Catalogue."

665.—Proper motions from "Greenwich Catalogue, 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
666	29 Virginis γ^3 ...	2.8	...	12	34	40.22	90	42	34.0	1	0.30
667	28 Virginis ...	6.5	...	12	34	58.02	96	45	27.8	1	0.27
668	W. B. E. XII. 592 ..	8.0	2	12	36	4.37	93	18	8.7	2	0.35
669	... ..	8.6	3	12	38	19.09	146	28	41.8	3	0.33
670	... ..	8.0	1	12	39	29.17	143	50	37.6	1	0.12
671	... ..	9.3	1	12	39	31.39	141	54	33.6	1	0.37
672	... ..	8.0	1	12	40	52.61	141	53	12.4	1	0.43
673	... ..	8.2	1	12	41	43.17	141	49	53.8	1	0.20
674	... ..	9.4	1	12	42	6.67	147	16	47.5	1	0.40
675	... ..	8.8	1	12	42	27.01	147	19	5.5	1	0.40
676	... ..	9.3	1	12	42	50.78	142	52	17.4	1	0.40
677	... ..	8.5	...	12	43	20.77	129	8	11.8	1	0.31
678	U Virginis Var. 3 ...	8.5	1	12	44	14.71	53	42	40.9	1	0.30
679	Radcliffe 2922 ...	7.0	...	12	45	9.16	26	16	44.0	1	0.39
680	40 Virginis ψ ...	5.0	...	12	47	20.03	98	48	18.6	1	0.27
681	R. P. L. 99 ...	5.6	...	12	48	11.25	5	51	9.9	2	0.34
682	... ..	9.0	...	12	48	32.02	125	25	39.2	1	0.36
683	... ..	8.2	2	12	48	56.29	140	24	38.0	2	0.39
684	12 Canum Venaticorum...	3.0	...	12	49	42.41	50	57	7.3	12	0.33
685	... ..	9.5	1	12	51	13.39	127	5	24.6	1	0.40
686	... ..	8.6	1	12	53	20.21	143	40	51.4	1	0.37
687	... ..	8.0	...	12	53	28.57	135	44	47.0	1	0.41
688	... ..	9.0	1	12	55	6.17	124	23	22.0	1	0.39
689	... ..	9.0	2	12	57	2.51	123	25	31.2	2	0.40
690	... ..	9.1	...	12	58	9.40	124	29	1.5	1	0.32
691	... ..	8.0	2	12	58	18.57	124	23	15.5	2	0.38
692	Taylor 6025 ...	7.8	1	12	59	30.80	123	24	44.0	1	0.40
693	51 Virginis θ ...	4.4	...	13	2	57.68	94	49	3.8	12	0.31
694	... ..	9.0	1	13	4	35.96	113	12	42.2	1	0.40
695	Lacaille 5134 ...	8.3	1	13	6	1.59	132	51	53.6	1	0.41
696	... ..	8.8	3	13	7	42.93	130	46	32.2	3	0.34
697	... ..	9.3	2	13	8	9.00	130	46	3.9	2	0.35
698	... ..	8.7	1	13	9	48.99	129	56	36.0	1	0.32
699	... ..	7.8	2	13	12	50.36	122	56	54.2	2	0.36
700	Lacaille 5203 ...	8.0	2	13	14	12.36	125	24	11.6	2	0.33

668.—Comparison star for Hestia in 1861.

678.—U Virginis Var. 3.—Period 207 days. Range, 5th to 13th magnitude.

679.—Comparison star for Comet 2, 1961.

681.—Groombridge 1940.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
666	29 Virginia γ^1 ...	+ 3.0745	+ 0.0043	- 0.037	+ 19.825	- 0.078	+ 0.05	4268
667	28 Virginia ..	+ 3.0962	+ 0.0074	+ 0.001	+ 19.839	- 0.078	+ 0.04	4269
668	W. H. E. XII 502 ...	+ 3.0842	+ 0.0056	...	+ 19.807	- 0.080	...	...
669	... ..	+ 3.4081	+ 0.0581	...	+ 19.775	- 0.092	...	...
670	... ..	+ 3.3858	+ 0.0525	...	+ 19.758	- 0.093	...	...
671	... ..	+ 3.3648	+ 0.0487	...	+ 19.757	- 0.092	...	...
672	... ..	+ 3.3745	+ 0.0490	...	+ 19.737	- 0.095	...	...
673	... ..	+ 3.3800	+ 0.0490	...	+ 19.724	- 0.097	...	...
674	... ..	+ 3.4523	+ 0.0611	...	+ 19.717	- 0.100	...	...
675	... ..	+ 3.4500	+ 0.0613	...	+ 19.712	- 0.101	...	...
676	... ..	+ 3.4003	+ 0.0512	...	+ 19.705	- 0.100	...	...
677	... ..	+ 3.2766	+ 0.0313	...	+ 19.698	- 0.098	...	...
678	U Virginia Var. 3 ...	+ 3.0438	+ 0.0012	...	+ 19.682	- 0.093	...	...
679	Radcliffe 2922 ...	+ 2.5420	- 0.0344	...	+ 19.667	- 0.090	...	...
680	40 Virginia ψ ...	+ 3.1146	+ 0.0092	- 0.002	+ 19.629	- 0.101	+ 0.04	4330
681	R. P. L. 99 ...	+ 0.3505	+ 0.2268	- 0.017	+ 19.613	- 0.019	- 0.04	4342
682	... ..	+ 3.2720	+ 0.0279	...	+ 19.607	- 0.108	...	...
683	... ..	+ 3.5514	+ 0.0392	...	+ 19.599	- 0.118	...	...
684	12 Cassiopeiae ...	+ 2.8356	- 0.0152	- 0.023	+ 19.586	- 0.098	- 0.06	4346
685	... ..	+ 3.2961	+ 0.0298	...	+ 19.556	- 0.115	...	...
686	... ..	+ 3.4915	+ 0.0549	...	+ 19.514	- 0.124	...	...
687	... ..	+ 3.3895	+ 0.0407	...	+ 19.511	- 0.123	...	...
688	... ..	+ 3.2900	+ 0.0275	...	+ 19.478	- 0.122	...	...
689	... ..	+ 3.2894	+ 0.0268	...	+ 19.437	- 0.120	...	...
690	... ..	+ 3.3026	+ 0.0278	...	+ 19.412	- 0.129	...	...
691	... ..	+ 3.3024	+ 0.0278	...	+ 19.409	- 0.129	...	...
692	Taylor 6025 ...	+ 3.2986	+ 0.0269	...	+ 19.383	- 0.132	...	...
693	51 Virginia θ ...	+ 3.1026	+ 0.0078	- 0.004	+ 19.303	- 0.132	+ 0.04	4401
694	... ..	+ 3.5698	+ 0.0590	...	+ 19.263	- 0.153	...	...
695	Lacaille 5434 ...	+ 3.8133	+ 0.0880	...	+ 19.228	- 0.166	...	...
696	... ..	+ 3.5324	+ 0.0498	...	+ 19.186	- 0.158	...	...
697	... ..	+ 3.5352	+ 0.0498	...	+ 19.174	- 0.159	...	...
698	... ..	+ 3.4079	+ 0.0346	...	+ 19.132	- 0.157	...	...
699	... ..	+ 3.3432	+ 0.0273	...	+ 19.048	- 0.161	...	...
700	Lacaille 5503 ...	+ 3.8745	+ 0.0298	...	+ 19.013	- 0.164	...	...

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
701	Taylor 6149	7.0	1	13	14	15.04	129	8	38.3	1	0.40
702	O. A. N. 13563	8.5	...	13	15	26.61	27	53	32.4	1	0.40
703	... ..	9.5	1	13	17	10.43	128	9	45.4	1	0.40
704	67 Virginis α (Spica)	1.2	...	13	18	5.00	100	27	21.4	17	0.33
705	... ..	8.2	1	13	19	5.02	143	27	5.4	1	0.43
706	Radcliffe 3011	7.5	...	13	19	29.42	34	23	47.0	1	0.30
707	R. P. L. 103	7.3	...	13	20	12.44	4	32	23.1	1	0.60
708	R Hydrae Var. 1	6.2	2	13	22	20.41	112	34	58.8	2	0.37
709	... ..	8.0	1	13	24	51.17	128	8	58.1	1	0.42
710	... ..	9.0	...	13	24	52.95	124	9	25.7	1	0.30
711	... ..	8.0	1	13	25	34.05	129	10	35.7	1	0.40
712	76 Virginis δ	5.5	...	13	25	51.58	99	28	6.8	2	0.27
713	8 Virginis Var. 6	7.1	1	13	25	57.21	96	30	0.2	1	0.43
714	... ..	8.0	1	13	26	41.54	131	35	30.0	1	0.38
715	79 Virginis 3	3.5	...	13	27	48.00	89	54	17.3	11	0.35
716	Taylor 7183	7.2	3	13	28	27.28	131	43	28.0	3	0.36
717	Lacaille 5614	8.0	1	13	30	0.37	129	12	26.0	2	0.40
718	... ..	9.5	1	13	34	6.45	129	10	16.1	1	0.38
719	... ..	8.6	2	13	35	46.72	128	3	45.1	2	0.42
720	... ..	8.9	1	13	36	17.95	128	5	40.1	1	0.41
721	Taylor 6363	7.7	1	13	36	42.17	147	38	46.0	1	0.43
722	Taylor 6366	7.0	1	13	36	57.04	151	46	21.1	1	0.42
723	Lacaille 5659	8.7	1	13	37	12.47	152	13	53.1	1	0.37
724	86 Virginis	6.0	...	13	38	44.81	101	44	56.7	2	0.20
725	85 Ursa Majoris γ	2.0	...	13	42	13.05	40	0	42.8	3	0.41
726	89 Virginis	5.2	...	13	42	32.56	107	27	37.1	1	0.43
727	... ..	8.0	1	13	43	17.74	123	6	50.0	1	0.39
728	... ..	8.5	1	13	43	27.54	123	13	23.7	2	0.33
729	... ..	8.3	2	13	44	18.64	127	57	2.0	2	0.41
730	... ..	8.6	1	13	45	45.30	122	54	51.0	1	0.34
731	Lacaille 5734	7.1	3	13	47	47.76	151	49	26.5	3	0.43
732	8 Bootis γ	2.9	...	13	48	15.30	70	55	29.5	10	0.29
733	... ..	8.0	1	13	50	15.04	123	44	2.8	1	0.30
734	... ..	8.5	1	13	52	18.55	151	30	55.0	1	0.35
735	... ..	9.5	1	13	52	20.67	128	1	43.2	1	0.40

702.—Comparison star for Comet 2, 1861.

707.—Groombridge 2007.

708.—R Hydrae Var. 1. Period about 15 months. Range, 4th to 10th magnitude.

713.—S Virginis Var. 6. Period 374 days. Range, 6th to 12.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
701	Taylor 6148 ...	+ 3.4063	+ 0.0328	...	+ 19.012	- 0.166	...	...
702	O. A. N. 13563 ...	+ 2.2555	- 0.0189	...	+ 18.978	- 0.114	...	...
703	... ..	+ 3.4193	+ 0.0331	...	+ 18.929	- 0.173	...	...
704	67 Virginis α (Spica.)	+ 3.1544	+ 0.0116	- 0.005	+ 18.902	- 0.163	+ 0.04	4490
705	... ..	+ 3.6822	+ 0.0537	...	+ 18.873	- 0.190	...	...
706	Radcliffe 3011 ...	+ 2.7084	- 0.0170	...	+ 18.861	- 0.127	...	...
707	R. P. L. 103 ...	- 2.7014	+ 0.0836	...	+ 18.839	+ 0.127	...	4498
708	R Hydro Var. 1 ...	+ 3.2676	+ 0.0192	- 0.002	+ 18.778	- 0.176	- 0.01	4501
709	... ..	+ 3.4521	+ 0.0334	...	+ 18.696	- 0.190	...	...
710	... ..	+ 3.4005	+ 0.0291	...	+ 18.695	- 0.188	...	...
711	... ..	+ 3.4556	+ 0.0334	...	+ 18.673	- 0.192	...	...
712	76 Virginis λ ...	+ 3.1537	+ 0.0113	- 0.004	+ 18.664	- 0.176	+ 0.02	4521
713	S Virginis Var. 6 ...	+ 3.1279	+ 0.0096	...	+ 18.661	- 0.175	...	...
714	... ..	+ 3.5103	+ 0.0379	...	+ 18.637	- 0.197	...	...
715	79 Virginis 3 ...	+ 3.0712	+ 0.0064	- 0.019	+ 18.602	- 0.176	- 0.06	4532
716	Taylor 7183 ...	+ 3.3209	+ 0.0381	...	+ 18.560	- 0.201	...	...
717	Lacaille 5614 ...	+ 3.4749	+ 0.0337	...	+ 18.528	- 0.202	...	...
718	... ..	+ 3.5069	+ 0.0351	...	+ 18.388	- 0.212	...	...
719	... ..	+ 3.4070	+ 0.0338	...	+ 18.329	- 0.215	...	...
720	... ..	+ 3.4697	+ 0.0339	...	+ 18.310	- 0.216	...	...
721	Taylor 6363 ...	+ 3.9337	+ 0.0733	...	+ 18.295	- 0.243	...	...
722	Taylor 6366 ...	+ 4.0945	+ 0.0909	...	+ 18.267	- 0.253	...	...
723	Lacaille 5659 ...	+ 4.1169	+ 0.0933	...	+ 18.278	- 0.255	...	...
724	86 Virginis ...	+ 3.1883	+ 0.0130	- 0.004	+ 18.222	- 0.202	- 0.01	4586
725	85 Ursæ Majoris η ...	+ 2.3849	- 0.0103	- 0.012	+ 18.094	- 0.159	+ 0.03	4607
726	89 Virginis ...	+ 3.2540	+ 0.0164	- 0.009	+ 18.061	- 0.213	+ 0.03	4608
727	... ..	+ 3.4520	+ 0.0257	...	+ 18.052	- 0.227	...	...
728	... ..	+ 3.4541	+ 0.0268	...	+ 18.046	- 0.229	...	...
729	... ..	+ 3.5304	+ 0.0341	...	+ 18.014	- 0.235	...	...
730	... ..	+ 3.4574	+ 0.0296	...	+ 17.957	- 0.233	...	...
731	Lacaille 5734 ...	+ 4.2033	+ 0.0930	...	+ 17.877	- 0.296	...	...
732	8 Bootis η ...	+ 2.8617	- 0.0006	- 0.004	+ 17.850	- 0.199	+ 0.36	4618
733	... ..	+ 3.4552	+ 0.0296	...	+ 17.779	- 0.243	...	...
734	... ..	+ 4.2318	+ 0.0920	...	+ 17.695	- 0.299	...	...
735	... ..	+ 3.5650	+ 0.0843	...	+ 17.687	- 0.253	...	...

708.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
736	... ..	8.8	1	13	53	11.46	135	41	8.5	1	0.43
737	β Centauri	1.2	...	13	54	10.57	140	43	12.5	1	0.39
738	93 Virginis τ	4.4	...	18	54	46.63	57	48	2.3	6	0.30
739	94 Virginis	6.5	...	13	59	8.73	98	14	45.7	1	0.20
740	Lalande 25890	7.4	1	13	59	56.90	67	11	12.5	1	0.34
741	Taylor 6570	8.6	2	14	0	5.72	140	56	19.1	2	0.31
742	... ..	9.3	1	14	0	26.14	150	51	20.8	1	0.32
743	Taylor 6585	7.0	1	14	1	26.07	124	14	21.4	1	0.43
744	... ..	8.4	1	14	2	5.64	124	16	30.3	1	0.42
745	R. P. L. 108	7.3	...	14	3	47.71	3	35	45.4	1	0.24
746	Lacaille 5944	7.8	2	14	5	9.01	151	4	25.3	2	0.38
747	Taylor 6616	5.0	...	14	5	34.50	146	27	7.7	2	0.44
748	98 Virginis κ	4.3	...	14	5	41.72	99	38	38.1	2	0.35
749	16 Bootis α (<i>Arcturus</i>)	0.0	...	14	9	30.26	70	6	48.0	13	0.40
750	100 Virginis λ	4.6	...	14	11	48.50	102	44	53.7	3	0.30
751	... ..	7.8	2	14	14	30.57	150	46	22.0	2	0.42
752	... ..	8.5	1	14	14	37.72	122	36	3.2	1	0.36
753	2 Libræ	6.3	...	14	16	10.04	101	5	45.9	3	0.30
754	Taylor 6721	7.0	1	14	17	25.52	101	3	18.0	1	0.44
755	S Bootis Var. 2	9.2	1	14	18	21.54	35	34	27.0	1	0.17
756	... ..	8.2	1	14	20	1.30	127	0	9.7	2	0.40
757	Lacaille 5962	7.8	1	14	22	46.12	120	47	1.8	1	0.32
758	... ..	9.3	1	14	23	0.17	120	46	17.3	1	0.32
759	O. A. N. 14634	7.0	...	14	25	52.25	20	8	30.3	1	0.48
760	25 Bootis ρ	3.6	...	14	26	0.63	59	2	4.9	15	0.40
761	O. A. N. 14652	8.5	...	14	27	2.17	20	7	13.5	1	0.48
762	α^1 Centauri	3.5	...	14	30	27.11	150	16	40.4	5	0.44
763	α^2 Centauri	1.0	...	14	30	27.42	150	16	32.9	2	0.43
764	Lacaille 6027	7.8	1	14	31	7.49	122	47	23.8	1	0.43
765	... ..	8.5	1	14	32	45.51	121	44	34.1	1	0.38
766	... ..	6.5	1	14	32	59.36	126	19	2.4	1	0.41
767	... ..	9.5	1	14	36	35.96	150	17	38.4	1	0.47
768	5 Libræ	6.3	...	14	38	31.31	104	53	17.8	2	0.31
769	36 Bootis ϵ (<i>Marac</i>)	2.6	...	14	39	5.44	62	21	18.4	11	0.41
770	... ..	7.8	2	14	39	54.23	124	7	53.5	2	0.39

745.—Groombridge 2090.

755.—S Bootis Var. 2. Period 272 days. Range, 5th to 13th magnitude.

759.—761.—Comparison stars for Comet 2, 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
736	... ..	+ 3.7213	+ 0.0453	...	+ 17.658	- 0.265	...	...
737	β Centauri ...	+ 4.1675	+ 0.0841	- 0.010	+ 17.611	- 0.301	+ 0.05	4699
738	93 Virginis γ ...	+ 3.0475	+ 0.0064	+ 0.001	+ 17.592	- 0.221	+ 0.07	4672
739	94 Virginis ...	+ 3.1684	+ 0.0115	- 0.002	+ 17.405	- 0.237	+ 0.01	4689
740	Lalande 25696 ...	+ 2.7911	- 0.0023	...	+ 17.370	- 0.210	...	...
741	Taylor 6570 ...	+ 4.2279	+ 0.0853	...	+ 17.364	- 0.315	...	...
742	... ..	+ 4.2749	+ 0.0897	...	+ 17.349	- 0.320	...	...
743	Taylor 6585 ...	+ 3.5320	+ 0.0302	...	+ 17.305	- 0.268	...	...
744	... ..	+ 3.5349	+ 0.0303	...	+ 17.276	- 0.269	...	...
745	R. P. L. 108... ..	- 7.6687	+ 2.5079	...	+ 17.200	+ 0.583	...	...
746	Lacaille 5844 ...	+ 4.3285	+ 0.0912	...	+ 17.138	- 0.335	...	...
747	Taylor 6616 ...	+ 4.1224	+ 0.0686	...	+ 17.119	- 0.320	...	4709
748	98 Virginis α ...	+ 3.1906	+ 0.0122	+ 0.001	+ 17.114	- 0.250	- 0.02	4716
749	16 Bootis α (Arcturus)	+ 2.8132	+ 0.0004	- 0.070	+ 16.939	- 0.227	+ 1.93	4729
750	100 Virginis λ ...	+ 3.2386	+ 0.0140	- 0.002	+ 16.829	- 0.264	- 0.02	4743
751	... ..	+ 4.3955	+ 0.0900	...	+ 16.899	- 0.362	...	...
752	... ..	+ 3.5461	+ 0.0284	...	+ 16.693	- 0.293	...	...
753	2 Libra ...	+ 3.2189	+ 0.0132	- 0.004	+ 16.618	- 0.270	+ 0.09	4765
754	Taylor 6721 ...	+ 3.2105	+ 0.0132	...	+ 16.556	- 0.272	...	4772
755	8 Bootis Var. 2 ...	+ 2.0108	- 0.0022	...	+ 16.510	- 0.174	...	...
756	... ..	+ 3.6333	+ 0.0334	...	+ 16.427	- 0.313	...	...
757	Lacaille 5962 ...	+ 3.7216	+ 0.0305	...	+ 16.288	- 0.324	...	...
758	... ..	+ 3.7223	+ 0.0364	...	+ 16.276	- 0.324	...	...
759	O. A. N. 14634 ...	+ 0.9057	+ 0.0359	...	+ 16.129	- 0.085	...	...
760	25 Bootis ρ ...	+ 2.5948	- 0.0015	- 0.008	+ 16.121	- 0.233	- 0.14	4808
761	O. A. N. 14652 ...	+ 0.8880	+ 0.0366	...	+ 16.067	- 0.084	...	...
762	α^1 Centauri ...	+ 4.5004	+ 0.0878	- 0.476	+ 15.890	- 0.410	- 0.81	4831
763	α^2 Centauri ...	+ 4.5004	+ 0.0878	- 0.476	+ 15.890	- 0.410	- 0.81	4832
764	Lacaille 6027 ...	+ 3.5998	+ 0.0284	...	+ 15.850	- 0.329	...	...
765	... ..	+ 3.5835	+ 0.0274	...	+ 15.762	- 0.330	...	...
766	... ..	+ 3.6801	+ 0.0319	...	+ 15.750	- 0.339	...	...
767	... ..	+ 4.5518	+ 0.0874	...	+ 15.552	- 0.426	...	...
768	5 Libra ...	+ 3.2980	+ 0.0152	- 0.003	+ 15.446	- 0.314	+ 0.01	4868
769	36 Bootis ϵ (Mira) ...	+ 2.6240	- 0.0001	- 0.006	+ 15.414	- 0.252	- 0.01	4876
770	... ..	+ 3.6533	+ 0.0294	...	+ 15.396	- 0.340	...	...

737 - 762. - 763 - Proper motions from "Stone's Cape Catalogue."

739 - Proper motions from "Greenland Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimation.	Mean Right Ascension			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
771	... ..	9.0	..	14	40	28.11	127	3	50.7	1	0.41
772	Briahano 5069	8.9	1	14	41	28.01	131	16	50.2	1	0.47
773	9 Libræ α^1	3.0	..	14	43	24.80	105	28	43.4	11	0.30
774	Lalande 27123	7.8	1	14	47	26.87	100	27	38.2	1	0.26
775	... ..	9.4	1	14	47	36.63	150	41	25.5	1	0.50
776	... ..	9.0	1	14	50	27.36	130	32	26.9	1	0.47
777	7 Ursæ Minoris β Var. 1... ..	2.1	..	14	51	8.20	15	17	32.6	1	0.46
778	Taylor 7017	7.3	2	14	57	9.86	150	36	13.2	2	0.36
779	... ..	8.5	1	14	57	46.28	131	30	58.8	1	0.41
780	43 Bootis ψ	4.5	..	14	58	30.65	62	31	28.3	5	0.41
781	47 Bootis κ	5.6	..	15	0	57.56	41	19	35.1	1	0.41
782	Taylor 7079	6.9	1	15	3	23.79	123	7	30.1	1	0.48
783	 2nd... ..	9.0	1	15	3	37.63	122	18	58.1	1	0.37
784	24 Libræ ϵ^1	4.9	..	15	4	31.76	100	16	43.7	2	0.32
785	R. P. L. 111	6.9	..	15	5	37.16	5	31	38.0	1	0.46
786	27 Libræ β	2.7	..	15	9	44.66	98	52	67.3	9	0.44
787	... ..	8.4	2	15	11	54.94	130	24	14.6	2	0.38
788	... ..	9.0	1	15	15	4.43	124	15	23.5	1	0.37
789	... ..	9.2	1	15	17	8.01	130	3	54.4	1	0.40
790	Lacaille 6377	7.8	1	15	18	58.01	130	11	6.3	1	0.47
791	32 Libræ ζ^1	6.2	..	15	20	38.72	106	14	36.2	2	0.35
792	W. H. E. XV. 395	8.9	1	15	22	1.57	101	15	40.8	1	0.50
793	R. P. L. 114	7.1	..	15	22	3.90	2	15	14.0	1	0.87
794	... ..	8.5	1	15	22	28.39	125	10	22.6	1	0.87
795	... ..	8.1	1	15	22	32.43	151	37	14.4	1	0.41
796	W. H. E. XV. 429	9.4	2	15	24	5.06	101	28	11.9	2	0.53
797	... ..	9.3	1	15	24	37.32	130	0	9.0	1	0.47
798	39 Libræ γ	4.0	..	15	27	58.37	104	20	13.0	1	0.43
799	... ..	8.2	1	15	28	45.18	120	35	35.3	1	0.38
800	5 Coronæ Bor. α (<i>Alpha</i>)	2.4	..	15	28	58.33	62	40	44.7	7	0.44
801	... ..	8.8	1	15	30	13.88	120	33	39.7	1	0.37
802	... ..	9.7	1	15	32	22.80	116	26	20.3	1	0.86
803	... ..	9.5	1	15	33	29.08	126	35	24.1	1	0.28
804	W. H. E. XV. 645	8.2	1	15	34	2.08	102	19	27.3	1	0.41
805	W. H. E. XV. 675	8.8	1	15	35	50.74	102	41	28.7	1	0.42

774.—Comparison star for Iris in 1861.

777.— β Ursæ Minoris Var. 1.—(A. C. M.) Supposed to vary irregularly from 2.0 to 2.5 magnitudes.

781.—Comparison star for Comet 2, 1861.

785.—Greenwich 3213

792.—796.—804.—805.—Comparison stars for *Alcedo* in 1864.

793.—Greenwich 2283

Observed with the Madras Meridian Circle in that Year.

Number	Star	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
771	... ..	+ 3.7229	+ 0.0326	...	+ 13.336	- 0.357	...	...
772	Brisbane 5009	+ 3.8324	+ 0.0379	...	+ 15.280	- 0.369	...	...
773	9 Libræ α^1	+ 3.3142	+ 0.0154	- 0.007	+ 13.169	- 0.324	+ 0.06	4995
774	Lalande 27123	+ 3.3874	+ 0.0178	...	+ 14.936	- 0.335	...	...
775	... ..	+ 3.2312	+ 0.0699	...	+ 14.926	- 0.321	...	...
776	... ..	+ 3.8464	+ 0.0363	...	+ 14.759	- 0.396	...	...
777	7 Ursæ Min. β Var 1.	- 0.2490	+ 0.1022	- 0.005	+ 14.719	+ 0.018	+ 0.03	4936
778	Taylor 7017	+ 4.7292	+ 0.0460	...	+ 14.355	- 0.458	...	...
779	... ..	+ 3.9007	+ 0.0371	...	+ 14.318	- 0.405	...	...
780	43 Bootis ψ	+ 2.5833	+ 0.0010	- 0.013	+ 14.260	- 0.231	0.00	4969
781	47 Bootis κ	+ 1.9925	+ 0.0018	- 0.010	+ 14.121	- 0.212	...	4980
782	Taylor 7079	+ 3.6980	+ 0.0273	...	+ 13.970	- 0.393	...	...
783	 2nd	+ 3.6794	+ 0.0264	...	+ 13.955	- 0.392	...	...
784	24 Libræ ϵ^1	+ 3.4002	+ 0.0171	- 0.002	+ 13.898	- 0.364	+ 0.04	4995
785	R. P. L. 111	- 6.0337	+ 1.1563	...	+ 13.829	+ 0.726	...	5022
786	27 Libræ β	+ 3.2259	+ 0.0117	- 0.009	+ 13.565	- 0.353	+ 0.01	5034
787	... ..	+ 3.9176	+ 0.0343	...	+ 13.424	- 0.431	...	...
788	... ..	+ 3.7469	+ 0.0274	...	+ 13.218	- 0.418	...	...
789	... ..	+ 3.9244	+ 0.0334	...	+ 13.082	- 0.440	...	...
790	Lacaille 6377	+ 3.9389	+ 0.0334	...	+ 12.960	- 0.444	...	...
791	32 Libræ ζ^1	+ 3.8712	+ 0.0148	+ 0.002	+ 12.948	- 0.394	+ 0.06	5050
792	W. H. E. XV. 395	+ 3.2776	+ 0.0124	...	+ 12.754	- 0.374	...	...
793	R. P. L. 114	- 28.1459	+ 7.7715	...	+ 12.751	+ 2.601	...	5140
794	... ..	+ 3.8004	+ 0.0276	...	+ 12.724	- 0.434	...	...
795	... ..	+ 4.9855	+ 0.0862	...	+ 12.720	- 0.567	...	...
796	W. H. E. XV. 429	+ 3.2532	+ 0.0125	...	+ 12.615	- 0.377	...	...
797	... ..	+ 3.9506	+ 0.0327	...	+ 12.579	- 0.454	...	...
798	39 Libræ γ	+ 3.3444	+ 0.0136	+ 0.002	+ 12.348	- 0.389	- 0.02	5134
799	... ..	+ 3.4564	+ 0.0245	...	+ 12.395	- 0.440	...	...
800	5 Cor. Bor. α (<i>Alpheda</i>)	+ 2.5295	+ 0.0023	+ 0.009	+ 12.280	- 0.297	+ 0.07	5143
801	... ..	+ 3.9400	+ 0.0314	...	+ 12.193	- 0.463	...	...
802	... ..	+ 3.6078	+ 0.0201	...	+ 12.043	- 0.426	...	...
803	... ..	+ 3.5091	+ 0.0278	...	+ 11.953	- 0.458	...	...
804	W. H. E. XV. 645	+ 3.3072	+ 0.0125	...	+ 11.899	- 0.303	...	...
805	W. H. E. XV. 675	+ 3.3157	+ 0.0126	...	+ 11.788	- 0.396	...	...

791.—Proper motion, in Right Ascension only, from "Greenwich Catalogue 1845."

792.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	'	"		
806	24 Serpentis α ...	2.7	...	15	37	37.20	83	8	50.7	5	0.42
807	Lalande 25787 ...	8.4	...	15	42	9.00	92	49	6.2	1	0.43
808	Lalande 25970 ...	8.0	1	15	48	0.68	70	49	14.7	1	0.42
809	7 Scorpii δ ...	2.6	...	15	52	21.34	112	14	5.2	2	0.36
810	W. B. E. XV. 1047 ...	8.0	1	15	55	59.39	91	16	20.2	1	0.41
811	8 Scorpii β^1 ...	2.0	...	15	57	35.40	109	25	59.5	4	0.45
812	R. P. L. 116 ...	6.9	...	16	4	30.87	4	18	54.2	2	0.57
813	W. B. E. XVI. 83 ...	8.0	1	16	6	6.00	102	41	14.8	1	0.53
814	1 Ophiuchi δ ...	2.8	...	16	7	16.28	93	20	40.1	3	0.46
815	... ..	7.8	3	16	9	12.26	112	35	3.2	3	0.50
816	... ..	9.7	1	16	9	46.72	112	33	44.8	1	0.41
817	O. A. S. 15504 ...	8.9	1	16	11	24.95	106	41	35.5	1	0.57
818	20 Scorpii σ ...	3.0	...	16	12	59.31	115	15	56.5	1	0.43
819	... ..	9.4	1	16	15	40.00	152	17	11.8	1	0.55
820	... ..	9.2	1	16	18	3.44	129	30	44.4	1	0.41
821	21 Scorpii α (Antares) ...	1.1	...	16	21	8.02	116	7	45.5	2	0.52
822	... ..	8.5	1	16	22	46.33	48	26	57.5	1	0.57
823	... ..	9.3	1	16	23	45.90	152	15	9.8	1	0.55
824	30 Hercules γ Var. 5 ...	5.1	...	16	24	12.42	47	40	11.0	2	0.53
825	... ..	9.2	1	16	26	29.30	130	55	0.1	1	0.46
826	... ..	9.2	1	16	28	27.91	152	16	53.0	1	0.55
827	... ..	9.3	1	16	29	19.30	130	54	1.2	1	0.46
828	α Triangulo Australis ...	2.2	...	16	34	24.34	158	46	28.5	1	0.56
829	... ..	8.0	1	16	34	41.30	134	7	9.8	1	0.57
830	40 Hercules ζ ...	3.1	...	16	36	11.91	58	9	3.6	4	0.53
831	... ..	8.8	1	16	36	48.18	130	55	5.5	1	0.46
832	O. A. S. 15952 ...	9.0	1	16	39	25.89	111	55	39.2	1	0.56
833	20 Ophiuchi ...	4.7	...	16	42	22.01	100	32	29.4	2	0.36
834	... ..	8.2	1	16	44	28.76	131	1	35.5	1	0.46
835	... ..	8.5	1	16	44	41.56	130	18	28.1	1	0.53
836	Taylor 7815 ...	8.4	2	16	45	33.57	130	17	59.6	2	0.52
837	... ..	9.3	1	16	47	7.58	130	59	43.1	1	0.46
838	Taylor 7832 ...	8.6	3	16	47	32.80	130	17	35.9	3	0.54
839	27 Ophiuchi α ...	3.4	...	16	51	16.68	80	24	45.8	4	0.54
840	... ..	8.4	1	16	51	43.63	122	53	48.6	1	0.56

807.—Comparison star for Donati's Comet of 1858. Double: the n. p. star observed.

808—810.—Comparison stars for Comet 2, 1862.

812.—Carrington 2423.

822.—Comparison star for Comet 2, 1861.

824.—30 Hercules γ Var. 5.—Changes irregularly from 5th to 6.3 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
806	24 Serpentis α ...	+ 2.9414	+ 0.0062	+ 0.009	+ 11.673	- 0.354	- 0.06	5196
807	Lalande 23787 ..	+ 3.1264	+ 0.0088	...	+ 11.348	- 0.381	...	...
808	Lalande 28070 ..	+ 2.6821	+ 0.0030	...	+ 10.022	- 0.333	...	...
809	7 Scorpii δ ...	+ 3.5361	+ 0.0159	- 0.001	+ 10.601	- 0.443	+ 0.01	5303
810	W. B. E. XV. 1047..	+ 3.0970	+ 0.0079	...	+ 10.330	- 0.392	...	...
811	8 Scorpii β^1 ...	+ 3.4780	+ 0.0142	- 0.002	+ 10.209	- 0.441	+ 0.02	5329
812	R. P. L. 116 ..	+ 12.4435	+ 1.7468	...	+ 9.684	+ 1.565	...	...
813	W. B. E. XVI. 83 ..	+ 3.3367	+ 0.0110	...	+ 9.561	- 0.431	...	...
814	1 Ophiuchi δ ..	+ 3.1409	+ 0.0081	- 0.006	+ 9.472	- 0.408	+ 0.13	5414
815	... ..	+ 3.5645	+ 0.0147	...	+ 9.322	- 0.464	...	...
816	... ..	+ 3.5646	+ 0.0147	...	+ 9.277	- 0.465	...	...
817	O. A. S. 15504 ..	+ 3.4289	+ 0.0121	...	+ 9.150	- 0.449	...	...
818	20 Scorpii σ ...	+ 3.6356	+ 0.0156	- 0.003	+ 9.028	- 0.478	+ 0.01	5447
819	... ..	+ 5.3588	+ 0.0682	...	+ 8.806	- 0.706	...	...
820	... ..	+ 4.0675	+ 0.0240	...	+ 8.629	- 0.540	...	...
821	21 Scorpii α (Antares)	+ 3.6678	+ 0.0150	- 0.001	+ 8.386	- 0.491	+ 0.03	5498
822	... ..	+ 1.9921	+ 0.0040	...	+ 8.255	- 0.260	...	...
823	... ..	+ 5.3930	+ 0.0638	...	+ 8.172	- 0.722	...	...
824	30 Hercules γ Var. 5.	+ 1.9649	+ 0.0042	+ 0.005	+ 8.141	- 0.265	- 0.07	5523
825	... ..	+ 4.1358	+ 0.0235	...	+ 7.959	- 0.557	...	...
826	... ..	+ 5.4164	+ 0.0614	...	+ 7.799	- 0.731	...	...
827	... ..	+ 4.1408	+ 0.0229	...	+ 7.730	- 0.560	...	...
828	α Triangulo Australis	+ 6.2771	+ 0.0907	0.000	+ 7.318	- 0.858	+ 0.06	5578
829	... ..	+ 4.2799	+ 0.0247	...	+ 7.294	- 0.584	...	...
830	40 Hercules ζ ...	+ 2.2964	+ 0.0033	- 0.034	+ 7.172	- 0.316	- 0.45	5604
831	... ..	+ 4.1574	+ 0.0215	...	+ 7.121	- 0.570	...	...
832	O. A. S. 15952 ...	+ 3.5774	+ 0.0114	...	+ 6.006	- 0.493	...	...
833	20 Ophiuchi ...	+ 3.3068	+ 0.0080	+ 0.004	+ 6.664	- 0.458	+ 0.08	5637
834	... ..	+ 4.1728	+ 0.0198	...	+ 6.490	- 0.579	...	...
835	... ..	+ 4.1456	+ 0.0192	...	+ 6.471	- 0.575	...	...
836	Taylor 7815 ...	+ 4.1467	+ 0.0191	...	+ 6.400	- 0.576	...	...
837	... ..	+ 4.1759	+ 0.0192	...	+ 6.370	- 0.581	...	...
838	Taylor 7832 ..	+ 4.1406	+ 0.0186	...	+ 6.235	- 0.578	...	...
839	27 Ophiuchi α ...	+ 2.8563	+ 0.0044	- 0.023	+ 5.924	- 0.402	- 0.02	5706
840	... ..	+ 3.8989	+ 0.0130	...	+ 5.886	- 0.547	...	...

829.—Proper motions from "Stone's Cape Catalogue."

833.—Proper motions from "Greenwich Catalogue 1864."

839.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year.
				h.	m.	s.	°	'	"		
841	... ..	8.6	1	16	52	9.46	122	48	57.6	1	0.58
842	O. A. S. 16283 ...	8.0	1	16	54	2.24	110	23	38.1	1	0.57
843	... ..	8.5	2	16	55	53.52	130	54	46.4	2	0.51
844	O. A. S. 16288 ...	8.0	1	16	56	31.41	119	50	13.0	1	0.57
845	Taylor 7926 ...	7.0	1	16	59	50.75	136	51	8.5	1	0.57
846	22 Ursæ Minoris ε ...	4.5	...	16	59	54.35	7	44	47.0	2	0.06
847	35 Ophiuchi η ...	2.6	...	17	2	38.62	105	33	17.0	1	0.36
848	Lacaille 7168 ...	7.0	2	17	4	40.01	128	7	46.8	2	0.52
849	... ..	9.4	1	17	5	40.92	130	53	47.4	1	0.56
850	... ..	8.0	1	17	5	48.39	130	50	29.5	1	0.57
851	... ..	8.5	1	17	6	15.23	137	25	6.5	1	0.36
852	... ..	8.2	1	17	7	12.00	130	42	6.4	1	0.46
853	64 Herculis α Var. 1 ...	3.2	...	17	8	29.51	75	27	12.6	8	0.54
854	... ..	8.4	1	17	9	5.35	124	4	21.4	1	0.58
855	Taylor 8017 ...	7.7	1	17	13	25.03	114	45	58.3	1	0.57
856	42 Ophiuchi θ ...	3.4	...	17	13	43.18	114	51	41.0	3	0.54
857	8 Argo ... 2nd...	7.0	2	17	18	55.02	150	33	59.3	2	0.57
858	... ..	9.2	1	17	21	17.42	130	45	42.7	1	0.47
859	Brisbane 6091 ...	8.8	1	17	21	24.89	148	27	5.6	1	0.55
860	... ..	8.8	1	17	21	26.76	130	32	59.7	1	0.56
861	Lacaille 7315 ...	7.0	1	17	22	12.66	130	55	53.1	1	0.57
862	... ..	9.1	1	17	27	4.13	150	35	41.3	1	0.50
863	... ..	8.0	2	17	28	8.24	130	43	30.8	2	0.52
864	55 Ophiuchi α ...	2.2	...	17	28	40.02	77	21	21.6	4	0.57
865	55 Serpentis 1 ...	3.7	...	17	29	51.37	105	18	37.5	4	0.44
866	α Scorpii ...	2.6	...	17	33	8.99	128	5	22.9	2	0.56
867	56 Serpentis ε ...	4.4	...	17	33	49.60	102	47	57.4	1	0.36
868	... ..	9.0	1	17	34	16.80	128	57	31.1	1	0.55
869	Lacaille 7406 ...	7.0	1	17	34	46.53	128	44	13.2	1	0.57
870	... ..	9.2	1	17	36	8.27	150	36	6.0	1	0.56
871	... ..	8.5	1	17	37	43.95	126	29	20.5	1	0.47
872	... ..	8.0	1	17	39	37.60	127	21	28.2	1	0.46
873	86 Herculis μ ...	3.5	...	17	41	10.47	62	11	54.6	7	0.57
874	... ..	8.5	1	17	42	8.92	118	27	24.5	1	0.58
875	... ..	8.2	1	17	43	24.39	128	36	13.5	2	0.56

853.—α Herculis Var. 1.—Changes irregularly between 3rd and 4th magnitudes.

871.—872.—875.—Comparison stars for Donati's Comet of 1858.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	<i>"</i>	<i>"</i>	<i>"</i>	
841	... ..	+ 3.8968	+ 0.0137	...	+ 5.851	- 0.547	...	...
842	O. A. S. 16233	+ 3.5487	+ 0.0093	...	+ 5.693	- 0.498	...	...
843	... ..	+ 4.1859	+ 0.0171	...	+ 5.537	- 0.589	...	...
844	O. A. S. 16288	+ 3.8098	+ 0.0119	...	+ 5.463	- 0.537	...	...
845	Taylor 7926	+ 4.4496	+ 0.0203	...	+ 5.204	- 0.629	...	...
846	22 Ursa Minoris ϵ	- 0.4215	+ 0.3041	+ 0.009	+ 5.197	+ 0.902	- 0.01	5780
847	35 Ophiuchi η	+ 3.4326	+ 0.0074	+ 0.001	+ 4.967	- 0.487	- 0.12	5781
848	Lacaille 7168	+ 4.0211	+ 0.0139	...	+ 4.795	- 0.581	...	...
849	... ..	+ 4.1977	+ 0.0149	...	+ 4.709	- 0.597	...	...
850	... ..	+ 4.1957	+ 0.0148	...	+ 4.698	- 0.597	...	...
851	... ..	+ 4.4872	+ 0.0187	...	+ 4.660	- 0.638	...	...
852	... ..	+ 4.1921	+ 0.0144	...	+ 4.580	- 0.597	...	...
853	64 Herculis α Var. 1.	+ 2.7338	+ 0.0035	- 0.003	+ 4.469	- 0.391	- 0.04	5821
854	... ..	+ 3.9541	+ 0.0113	...	+ 4.418	- 0.505	...	...
855	Taylor 8017	+ 3.6762	+ 0.0080	...	+ 4.048	- 0.527	...	5846
856	42 Ophiuchi θ	+ 3.6759	+ 0.0080	- 0.003	+ 4.023	- 0.528	- 0.02	5851
857	3 Argo ... 2nd...	+ 5.4037	+ 0.0269	- 0.009	+ 3.576	- 0.778	+ 0.09	...
858	... ..	+ 4.2082	+ 0.0111	...	+ 3.371	- 0.606	...	...
859	Brisbane 6091	+ 5.2189	+ 0.0227	...	+ 3.360	- 0.753	...	...
860	... ..	+ 4.1998	+ 0.0109	...	+ 3.358	- 0.605	...	...
861	Lacaille 7315	+ 4.2159	+ 0.0109	...	+ 3.393	- 0.608	...	...
862	... ..	+ 5.4109	+ 0.0219	...	+ 2.871	- 0.783	...	...
863	... ..	+ 4.2120	+ 0.0094	...	+ 2.779	- 0.609	...	...
864	55 Ophiuchi ϵ	+ 2.7745	+ 0.0030	+ 0.004	+ 2.733	- 0.402	+ 0.20	5941
865	55 Serpentis ζ	+ 3.4350	+ 0.0047	- 0.004	+ 2.630	- 0.498	+ 0.04	5949
866	α Scorpii	+ 4.1451	+ 0.0079	0.000	+ 2.344	- 0.601	+ 0.03	5970
867	56 Serpentis ϵ	+ 3.3739	+ 0.0041	- 0.008	+ 2.255	- 0.490	+ 0.04	5976
868	... ..	+ 4.1464	+ 0.0075	...	+ 2.246	- 0.612	...	...
869	Lacaille 7406	+ 4.1882	+ 0.0072	...	+ 2.208	- 0.601	...	...
870	... ..	+ 5.4322	+ 0.0162	...	+ 2.084	- 0.797	...	...
871	... ..	+ 4.0564	+ 0.0062	...	+ 1.950	- 0.590	...	...
872	... ..	+ 4.0888	+ 0.0060	...	+ 1.750	- 0.595	...	...
873	66 Herculis μ	+ 2.3694	+ 0.0025	- 0.026	+ 1.646	- 0.346	+ 0.74	6021
874	... ..	+ 3.7943	+ 0.0045	...	+ 1.561	- 0.553	...	...
875	... ..	+ 4.1368	+ 0.0052	...	+ 1.450	- 0.608	...	...

857.—866. Proper motions from "Steno's Cape Catalogue."

865.—Proper motions from "Greenwich Catalogue 1872"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
876	... ..	8.8	1	17	50	46.67	152	7	33.1	1	0.56
877	Lacaille 7517 ...	8.0	1	17	52	20.06	149	10	23.6	1	0.57
878	Lacaille 7518 ...	7.8	2	17	52	48.59	149	12	15.7	2	0.56
879	33 Draconis γ (<i>Etonis</i>) ...	2.4	...	17	53	28.08	39	29	40.0	1	0.61
880	Taylor 8355 ...	7.0	1	17	57	4.10	133	25	40.8	1	0.55
881	... ..	7.7	1	17	59	25.97	150	26	12.2	1	0.58
882	... ..	8.7	1	18	1	18.07	131	43	35.0	1	0.57
883	... ..	8.2	1	18	2	53.69	131	44	27.6	1	0.57
884	13 Sagittarii μ^1 ...	4.1	...	18	5	41.35	111	5	27.7	7	0.57
885	Lalande 33818 ...	8.0	3	18	15	4.73	101	55	21.9	3	0.57
886	Lalande 33845 ...	6.9	3	18	15	38.86	102	4	39.2	3	0.57
887	23 Ursæ Minoris δ ...	4.3	...	18	15	53.61	3	23	45.3	5	0.30
888	6 Coronæ Australis ...	5.1	...	18	23	51.60	132	24	20.3	1	0.50
889	Taylor 8551... ..	7.3	1	18	27	23.25	149	13	40.1	1	0.36
890	3 Lyræ α (<i>Feyd</i>) ...	0.2	...	18	32	22.02	51	20	25.5	5	0.60
891	... ..	9.0	1	18	34	43.07	136	44	54.6	1	0.58
892	Lacaille 7532 ...	7.0	...	18	37	40.03	149	5	27.1	1	0.50
893	10 Lyræ β Var. 1... ..	3.6	...	18	45	5.68	56	47	32.8	7	0.64
894	32 Sagittarii ν^1 ...	5.0	...	18	46	1.11	112	54	28.3	1	0.36
895	37 Sagittarii ξ^1 ...	3.5	...	18	49	40.47	111	16	52.6	1	0.30
896	39 Sagittarii σ ...	3.9	...	18	56	35.28	111	56	9.3	1	0.67
897	R. P. L. 131 ...	6.6	...	18	58	33.56	3	27	54.2	1	0.17
898	17 Aquilæ 3 ...	3.1	...	18	59	12.21	76	20	5.8	8	0.62
899	... ..	8.5	1	19	0	25.86	129	47	3.0	1	0.58
900	... ..	8.1	1	19	10	3.24	107	9	34.5	1	0.70
901	25 Aquilæ ω ...	5.1	...	19	11	28.68	78	38	44.6	7	0.62
902	... ..	8.2	2	19	16	38.56	129	52	39.1	2	0.60
903	30 Aquilæ δ ...	3.6	...	19	18	41.38	87	9	7.0	5	0.62
904	Taylor 8950 ...	6.1	...	19	22	13.87	143	27	55.2	1	0.68
905	... ..	8.5	1	19	25	0.13	129	55	47.4	1	0.67
906	51 Sagittarii λ^1 ...	5.8	...	19	27	49.59	115	0	44.5	1	0.58
907	52 Sagittarii λ^1 ...	4.6	...	19	28	29.29	115	10	42.7	5	0.67
908	53 Sagittarii σ^1 ...	5.0	...	19	31	47.60	106	26	14.3	2	0.67
909	50 Aquilæ γ ...	2.8	...	19	39	50.32	79	42	49.0	5	0.61
910	8 Vulpeculæ Var. 3. ...	9.0	1	19	42	51.64	63	2	52.5	1	0.67

890.—892.—893.—894.—Comparison stars for Donati's Comet of 1858.

895.—896.—Comparison stars for Asia in 1863.

900.— β Lyræ Var. 1.—Period 12.91 days. Range, 3.5 to 4.5 magnitude.

907.—Carrington 2892.

910.— δ Vulpeculæ Var. 3.—Period 67.5 days. Range, 8.5 to 9.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
876	... ..	+ 5.5980	+ 0.0073	...	+ 0.807	- 0.816	...	...
877	Lacaille 7517	+ 5.3144	+ 0.0053	...	+ 0.657	- 0.774	...	...
878	Lacaille 7518	+ 5.3143	+ 0.0052	...	+ 0.629	- 0.773	...	...
879	33 Draconis γ (Eltanin)	+ 1.3913	+ 0.0030	0.000	+ 0.571	- 0.203	+ 0.04	6091
880	Taylor 8355	+ 4.3375	+ 0.0024	- 0.006	+ 0.256	- 0.632	+ 0.12	6112
881	... ..	+ 5.4292	+ 0.0012	...	+ 0.050	- 0.702	...	...
882	... ..	+ 4.2644	+ 0.0011	...	- 0.114	- 0.622	...	...
883	... ..	+ 4.2650	+ 0.0007	...	- 0.253	- 0.622	...	...
884	13 Sagittarii μ^1	+ 3.5875	+ 0.0009	- 0.004	+ 0.498	- 0.523	+ 0.01	6168
885	Lalande 33818	+ 3.3538	+ 0.0004	...	- 1.319	- 0.487	...	...
886	Lalande 33845	+ 3.3575	+ 0.0004	...	- 1.368	- 0.488	...	...
887	23 Ursa Minoris δ	- 19.4045	- 0.4618	+ 0.048	- 1.350	+ 2.825	- 0.03	6291
888	θ Corone Australis	+ 4.2866	- 0.0049	0.000	- 2.084	- 0.620	- 0.03	6296
889	Taylor 8551	+ 5.3014	- 0.0153	...	- 2.301	- 0.767	...	...
890	3 Lyræ α (Vega)	+ 2.0130	+ 0.0016	+ 0.017	- 2.823	- 0.200	- 0.28	6355
891	... ..	+ 4.4770	- 0.0008	...	- 3.026	- 0.644	...	...
892	Lacaille 7832	+ 5.2752	- 0.0210	...	- 3.283	- 0.758	...	...
893	10 Lyræ β Var. 1	+ 2.2137	+ 0.0015	- 0.002	- 3.920	- 0.315	+ 0.08	6429
894	32 Sagittarii ν	+ 3.6257	- 0.0043	- 0.004	- 4.000	- 0.516	+ 0.01	6434
895	37 Sagittarii 1^a	+ 3.5807	- 0.0043	- 0.001	- 4.313	- 0.508	+ 0.03	6461
896	39 Sagittarii σ	+ 3.5943	- 0.0053	+ 0.001	- 4.002	- 0.506	+ 0.05	6507
897	R. T. L. 131	- 18.2908	- 1.6014	...	- 5.069	+ 2.682	...	...
898	17 Aquilæ ζ	+ 2.7578	+ 0.0003	- 0.006	- 5.123	- 0.387	+ 0.07	6528
899	... ..	+ 4.1347	- 0.0149	...	- 5.983	- 0.573	...	...
900	... ..	+ 3.4658	- 0.0055	...	- 6.085	- 0.479	...	...
901	25 Aquilæ ω	+ 2.8165	- 0.0003	- 0.003	- 6.154	- 0.388	- 0.02	6595
902	... ..	+ 4.1272	- 0.0164	...	- 6.582	- 0.505	...	...
903	30 Aquilæ δ	+ 3.0094	- 0.0018	+ 0.014	- 6.752	- 0.410	- 0.10	6646
904	Taylor 8950	+ 4.7618	- 0.0327	...	- 7.042	- 0.647	...	6690
905	... ..	+ 4.1151	- 0.0181	...	- 7.269	- 0.557	...	...
906	51 Sagittarii λ^1	+ 3.6506	- 0.0100	- 0.002	- 7.409	- 0.491	0.00	6704
907	52 Sagittarii λ^1	+ 3.6542	- 0.0102	+ 0.002	- 7.553	- 0.490	- 0.02	6706
908	55 Sagittarii ϵ^1	+ 3.4334	- 0.0075	+ 0.001	- 8.000	- 0.456	- 0.02	6742
909	50 Aquilæ γ	+ 2.8520	- 0.0011	+ 0.001	- 8.463	- 0.373	0.00	6772
910	8 Vulpeculæ Var. 3	+ 2.4596	+ 0.0011	...	- 8.700	- 0.319	...	...

890.—899.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimation.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
911	53 Aquilæ α (Altair) ...	1.0	...	19	44	11.67	81	29	8.0	6	0.64
912	60 Aquilæ β ...	4.0	...	19	48	40.76	83	55	41.5	3	0.67
913	... ..	9.1	1	19	53	5.44	147	10	40.0	1	0.67
914	... ..	9.0	...	19	55	41.11	151	51	30.7	1	0.64
915	Taylor 9208 ...	5.1	...	19	55	45.70	122	25	56.3	1	0.69
916	... ..	8.7	3	19	56	50.84	130	21	22.9	3	0.67
917	λ Ursæ Minoris ...	6.5	...	19	59	9.25	1	5	44.2	2	0.10
918	O. A. N. 20046 ...	9.3	1	20	2	40.74	32	23	22.0	1	0.66
919	R Capricorni Var. 1 ...	9.7	1	20	3	44.00	104	39	54.0	1	0.74
920	R Delphini Var. 2 ...	9.7	1	20	8	24.18	81	19	7.6	1	0.74
921	O. A. S. 20356 ...	7.9	1	20	8	24.95	110	25	57.4	1	0.70
922	6 Capricorni α^2 ...	3.8	...	20	10	33.62	102	57	39.2	8	0.68
923	... ..	7.6	1	20	10	33.90	149	8	50.2	1	0.64
924	... ..	8.0	1	20	11	18.74	106	16	33.2	1	0.66
925	Lalande 39095 ...	8.3	2	20	14	44.30	106	15	18.3	2	0.61
926	α Pavonis ...	2.1	...	20	14	56.82	147	9	52.3	2	0.65
927	X Capricorni Var. 7 ...	9.9	1	20	15	1.91	106	26	26.5	1	0.75
928	Lalande 39195 ...	8.8	1	20	15	34.66	106	13	10.6	1	0.58
929	Lacaille 8441 ...	8.0	2	20	18	16.87	121	6	46.5	2	0.60
930	11 Capricorni ρ ...	5.0	...	20	21	9.30	108	15	26.9	5	0.70
931	... ..	...	...	20	23	46.14	86	1	50.3	1	0.67
932	Lalande 39525 ...	8.0	1	20	24	58.84	86	2	18.9	1	0.66
933	... ..	9.3	1	20	27	16.98	121	5	40.2	1	0.67
934	... ..	9.5	1	20	30	57.55	149	55	10.7	1	0.64
935	8 Capricorni Var. 2 ...	9.0	1	20	34	0.83	109	32	10.1	1	0.66
936	... ..	8.9	1	20	35	59.94	123	58	17.3	1	0.73
937	60 Cygni α (Deneb) ...	1.5	...	20	36	49.80	45	12	2.8	5	0.70
938	2 Aquarii ϵ ...	3.8	...	20	40	21.93	99	59	15.9	1	0.67
939	W. B. N. XX. 1024 ...	9.3	1	20	40	56.30	105	24	5.0	1	0.73
940	... ..	10.5	1	20	41	12.02	105	18	5.8	1	0.73
941	T Aquarii Var. 4 ...	9.5	1	20	42	48.61	98	33	44.6	1	0.67
942	Lacaille 8571 ...	7.7	...	20	42	58.06	180	12	43.6	1	0.64
943	... ..	9.7	1	20	43	40.77	124	57	55.9	2	0.70
944	Taylor 9633 ...	7.4	2	20	44	37.41	101	56	34.0	2	0.73
945	... ..	6.7	.	20	47	40.06	149	1	3.4	1	0.73

919 — R Capricorni Var. 1 — Period 347 days. Range, 9th to below 14th magnitude.

920 — R Delphini Var. 2 — Period 284 days. Range, 8th to 13th magnitude.

921 — Comparison star for Parthenope in 1462.

924 — 175 — 176 — Comparison stars for Hestia in 1865.

927 — X Capricorni Var. 7 — Period unknown. Range, 10.4 to below 13th magnitude.

935 — 8 Capricorni Var. 2 — Proposed to change from 9th to 11th magnitude.

941 — T Aquarii Var. 4 — Period 203 days. Range, 7th to 12.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
911	53 Aquilæ α (<i>Altair</i>)	+ 2.8021	- 0.0014	+ 0.036	- 8.808	- 0.374	- 0.39	6802
912	60 Aquilæ β ..	+ 2.9455	- 0.0020	+ 0.002	- 9.158	- 0.378	+ 0.47	6833
913	... ..	+ 4.8978	- 0.0523	...	- 9.499	- 0.623	...	...
914	... ..	+ 5.2600	- 0.0700	...	- 9.698	- 0.608	...	...
915	Taylor 9203 ..	+ 3.8156	- 0.0175	...	- 9.705	- 0.483	...	6877
916	... ..	+ 4.0637	- 0.0244	...	- 9.783	- 0.513	...	...
917	λ Ursæ Minoris ..	- 57.6046	- 29.8483	- 0.035	- 9.964	+ 7.295	- 0.01	6999
918	O. A. N. 20046 ..	+ 1.2593	- 0.0074	...	- 10.230	- 0.154	...	...
919	R Capricorni Var. 1...	+ 3.3722	- 0.0087	...	- 10.309	- 0.418	...	...
920	R Delphini Var. 2 ..	+ 2.8992	- 0.0017	...	- 10.657	- 0.353	...	...
921	O. A. S. 20856 ..	+ 3.4940	- 0.0116	...	- 10.659	- 0.427	...	...
922	6 Capricorni α^1 ..	+ 3.3311	- 0.0084	+ 0.001	- 10.818	- 0.403	0.00	6974
923	... ..	+ 4.9588	- 0.0649	...	- 10.817	- 0.604	...	...
924	... ..	+ 3.4001	- 0.0098	...	+ 10.872	- 0.412	...	...
925	Lalande 39095 ..	+ 3.3965	- 0.0100	...	- 11.123	- 0.408	...	...
926	α Pavonis ..	+ 4.7948	- 0.0594	0.000	- 11.139	- 0.594	+ 0.10	7004
927	X Capricorni Var. 7...	+ 3.4001	- 0.0101	...	- 11.144	- 0.407	...	...
928	Lalande 39195 ..	+ 3.3940	- 0.0101	...	- 11.184	- 0.406	...	...
929	Lacaille 8441 ..	+ 3.7365	- 0.0102	...	- 11.350	- 0.444	...	...
930	11 Capricorni ρ ..	+ 3.4321	- 0.0115	- 0.006	- 11.586	- 0.403	+ 0.01	7012
931	... ..	+ 2.9970	- 0.0031	...	- 11.771	- 0.340	...	...
932	Lalande 39525 ..	+ 2.9974	- 0.0031	...	- 11.858	- 0.347	...	...
933	... ..	+ 3.7176	- 0.0200	...	- 12.019	- 0.429	...	...
934	... ..	+ 4.8974	- 0.0742	...	- 12.275	- 0.560	...	...
935	S Capricorni Var. 2...	+ 3.4433	- 0.0129	...	- 12.485	- 0.385	...	...
936	... ..	+ 3.7722	- 0.0231	...	- 12.621	- 0.423	...	...
937	50 Cygni α (<i>Demeb</i>)...	+ 2.0423	+ 0.0021	- 0.002	- 12.677	- 0.226	0.00	7171
938	2 Aquarii ..	+ 2.2522	- 0.0084	- 0.001	- 12.915	- 0.357	+ 0.01	7196
939	W. B. E. XX. 1024 ..	+ 3.3533	- 0.0109	...	- 12.954	- 0.367	...	...
940	... ..	+ 3.3511	- 0.0109	...	- 12.971	- 0.367	...	...
941	T Aquarii Var. 4 ..	+ 3.1723	- 0.0066	...	- 13.079	- 0.345	...	...
942	Lacaille 8571 ..	+ 4.8418	- 0.0787	...	- 13.089	- 0.529	...	...
943	... ..	+ 3.7786	- 0.0248	...	- 13.137	- 0.410	...	...
944	Taylor 9633 ..	+ 3.2847	- 0.0093	...	- 13.198	- 0.355	...	7232
945	... ..	+ 4.7280	- 0.0744	...	- 13.309	- 0.507	...	...

926. — Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
946	82 Vulpeculæ ...	5.1	...	20	48	48.29	62	27	15.5	6	0.71
947	... ..	9.7	1	20	50	45.82	148	45	30.4	1	0.72
948	Lacaille 8690 ...	9.2	1	20	51	40.11	126	37	49.0	2	0.74
949	Lacaille 8695 ...	7.8	2	20	52	22.67	126	34	50.3	2	0.67
950	... ..	9.5	1	20	54	1.91	142	50	0.6	1	0.73
951	Taylor 9772 ...	8.0	1	21	0	31.56	145	7	3.2	1	0.69
952	61 Cygni ... 1st...	5.5	...	21	0	50.71	51	54	40.7	3	0.73
953	... ..	9.5	1	21	2	58.89	145	6	29.5	1	0.72
954	Lacaille 8712 ...	8.2	2	21	4	15.93	146	48	18.2	3	0.73
955	64 Cygni 3 ...	3.5	...	21	7	11.38	60	19	32.4	5	0.74
956	... ..	10.5	1	21	8	20.18	110	40	43.3	1	0.73
957	... ..	9.6	2	21	11	5.07	129	31	42.1	2	0.72
958	Brisbane 7012 ...	7.9	1	21	14	9.52	151	45	40.1	1	0.78
959	T Capricorni Var. 3 ...	8.8	2	21	14	28.86	105	39	56.0	2	0.69
960	... ..	9.5	3	21	15	3.85	130	15	53.2	3	0.74
961	5 Cephei α (Alderamin)...	2.6	...	21	15	21.19	27	59	6.6	2	0.74
962	... ..	9.3	1	21	18	38.91	153	52	19.1	1	0.78
963	Taylor 9931 ...	6.9	2	21	18	46.05	142	53	8.9	2	0.70
964	... ..	8.6	2	21	20	10.20	150	47	35.5	2	0.76
965	... ..	9.7	2	21	23	1.14	110	7	13.9	2	0.70
966	22 Aquarii β ...	3.1	...	21	24	27.02	96	9	49.3	7	0.73
967	... ..	8.2	1	21	25	53.37	140	23	11.1	1	0.76
968	8 Cephei β ...	3.4	...	21	26	51.58	20	1	52.4	1	0.75
969	... ..	9.0	1	21	29	34.00	134	2	16.0	1	0.73
970	... ..	9.4	2	21	33	56.38	103	0	7.3	2	0.73
971	Taylor 10068 ...	7.6	1	21	34	24.78	134	6	27.0	1	0.76
972	Taylor 10065 ...	6.4	1	21	34	32.48	145	6	51.4	1	0.70
973	... ..	9.0	1	21	31	45.65	134	0	11.5	1	0.77
974	T. Cephei Var. 3 ...	8.0	3	21	36	50.61	11	59	18	3	0.76
975	8 Pegasi ε ...	2.4	...	21	37	33.27	80	44	34.0	4	0.72
976	μ Cephei Var. 2 ...	4.0	...	21	39	22.67	31	50	19.5	1	0.75
977	... ..	10.0	2	21	40	51.52	102	32	9.5	3	0.70
978	Taylor 10126 ...	7.0	1	21	41	3.49	137	14	9.7	1	0.78
979	... ..	9.1	1	21	42	50.67	132	31	9.2	1	0.76
980	16 Pegasi ...	5.0	...	21	46	55.34	61	42	33.3	3	0.74

959 — T Capricorni Var. 3 — Period 269 days. Range, 9th to below 14th magnitude.

965. — Observed by mistake for Delta.

974 — 8 Cephei Var. 3. — Period 483 days. Range, 8th to 11.5 magnitude.

976. — μ Cephei Var. 1 — Changes irregularly from 14th to 6th magnitude.

977 — Observed by mistake for Upsilon.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
946	32 Vulpeculae ..	+ 2.5554	+ 0.0026	- 0.002	- 13.472	- 0.270	0.00	7256
947	... ..	+ 4.6021	- 0.0739	...	- 13.598	- 0.497	...	...
948	Lacaille 8630 ..	+ 3.8001	- 0.0272	...	- 13.656	- 0.400	...	...
949	Lacaille 8635 ..	+ 3.7966	- 0.0272	...	- 13.701	- 0.398	...	...
950	... ..	+ 4.3582	- 0.0553	...	- 13.807	- 0.455	...	...
951	Taylor 9772 ...	+ 4.4255	- 0.0621	...	- 14.214	- 0.449	...	...
952	61 Cygni, 1st ..	+ 2.3338	+ 0.0044	+ 0.339	- 14.237	- 0.233	- 3.23	7336
953	... ..	+ 4.4057	- 0.0626	...	- 14.364	- 0.443	...	...
954	Lacaille 8712 ..	+ 4.4900	- 0.0685	...	- 14.442	- 0.448	...	...
955	64 Cygni 3 ...	+ 2.5505	+ 0.0038	- 0.003	- 14.610	- 0.248	+ 0.07	7365
956	... ..	+ 3.4181	- 0.0149	...	- 14.687	- 0.333	...	...
957	... ..	+ 3.8135	- 0.0320	...	- 14.850	- 0.368	...	...
958	Brisbane 7012 ...	+ 4.7205	- 0.0917	...	- 15.029	- 0.450	...	...
959	T Capricorni Var. 3	+ 3.3200	- 0.0120	...	- 15.048	- 0.314	...	...
960	... ..	+ 3.8186	- 0.0331	...	- 15.082	- 0.361	...	...
961	5 Cephei a (Alderamin)	+ 1.4161	- 0.0071	+ 0.021	- 15.099	- 0.130	- 0.01	7416
962	... ..	+ 4.8365	- 0.1051	...	- 15.267	- 0.449	...	...
963	Taylor 9931... ..	+ 4.2151	- 0.0575	...	- 15.294	- 0.301	...	7443
964	... ..	+ 4.6081	- 0.0871	...	- 15.372	- 0.425	...	...
965	... ..	+ 3.3820	- 0.0147	...	- 15.531	- 0.305	...	...
966	22 Aquarii β ...	+ 3.1626	- 0.0071	- 0.001	- 15.611	- 0.282	0.00	7478
967	... ..	+ 4.0783	- 0.0516	...	- 15.688	- 0.363	...	...
968	8 Cephei β ...	+ 0.8007	- 0.0345	0.000	- 15.744	- 0.065	+ 0.04	7493
969	... ..	+ 3.8611	- 0.0394	...	- 15.887	- 0.337	...	...
970	... ..	+ 3.2558	- 0.0106	...	- 16.118	- 0.276	...	...
971	Taylor 10068 ...	+ 3.8411	- 0.0805	...	- 16.143	- 0.325	...	7538
972	Taylor 10065 ...	+ 4.3090	- 0.0649	...	- 16.149	- 0.367	...	7540
973	... ..	+ 3.8363	- 0.0394	...	- 16.161	- 0.324	...	...
974	8 Cephei Var. 2 ...	- 0.6115	- 0.1623	...	- 16.268	+ 0.059	...	...
975	8 Pegasi ϵ ..	+ 2.9452	- 0.0005	+ 0.003	- 16.305	- 0.242	0.00	7561
976	μ Cephei Var. 2 ...	+ 1.8324	+ 0.0039	...	- 16.397	- 0.147	...	7583
977	... ..	+ 3.2417	- 0.0104	...	- 16.471	- 0.263	...	...
978	Taylor 10126 ...	+ 3.8958	- 0.0454	...	- 16.481	- 0.317	...	7591
979	... ..	+ 3.7623	- 0.0372	...	- 16.674	- 0.302	...	...
980	16 Pegasi ...	+ 2.7255	+ 0.0052	+ 0.001	- 16.768	- 0.210	+ 0.01	7627

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
981	Lacaille 8959	7.6	3	21	47	16.62	135	53	3.5	3	0.72
982	... ..	9.0	2	21	47	35.79	133	12	13.7	2	0.77
983	Taylor 10190	6.3	...	21	51	10.18	146	31	30.0	2	0.77
984	.. ..	9.3	1	21	52	50.47	136	37	55.9	1	0.72
985	... ..	9.3	1	21	53	54.17	150	40	0.7	1	0.73
986	α^1 Indi	6.0	...	21	56	20.63	150	17	16.4	4	0.73
987	... ..	7.9	2	21	58	15.89	136	2	17.3	2	0.78
988	34 Aquarii α	3.2	...	21	58	50.59	90	58	29.0	6	0.77
989	α Gruis	1.9	...	21	59	42.68	137	36	48.7	1	0.75
990	... ..	9.5	2	22	3	22.81	101	8	37.2	2	0.75
991	... ..	8.9	3	22	5	27.52	101	5	30.6	3	0.74
992	W. B. E. XXII. 98	7.0	2	22	6	24.83	90	26	29.8	2	0.70
993	... ..	8.5	2	22	9	12.07	146	27	1.4	2	0.78
994	43 Aquarii θ	4.3	...	22	9	42.46	98	27	16.2	10	0.76
995	... ..	7.7	2	22	12	31.16	150	37	32.4	2	0.78
996	... ..	9.0	1	22	13	13.22	146	28	18.1	1	0.78
997	... ..	8.8	2	22	15	23.85	82	47	7.3	2	0.71
998	... ..	10.2	1	22	16	2.54	82	42	16.1	1	0.79
999	... ..	9.5	2	22	16	55.12	135	58	6.7	2	0.77
1000	... ..	9.3	1	22	18	54.56	140	45	27.7	1	0.78
1001	55 Aquarii 3 ... 1st...	4.7	...	22	21	52.66	90	42	34.8	1	0.83
1002	55 Aquarii 3 ... 2nd...	4.5	...	22	21	52.81	90	42	38.3	3	0.80
1003	... ..	9.0	1	22	21	54.59	100	37	20.7	1	0.75
1004	57 Aquarii ϵ	4.8	...	22	23	30.03	101	22	5.9	2	0.68
1005	R. P. L. 150	5.4	...	22	23	34.72	4	34	23.3	3	0.57
1006	... ..	9.3	1	22	24	21.48	135	41	51.5	1	0.77
1007	... ..	8.0	1	22	25	55.85	141	29	56.3	2	0.74
1008	62 Aquarii ν	4.2	...	22	25	25.06	90	48	45.5	9	0.74
1009	T Aquarii Var. 3	10.3	2	22	28	48.35	98	18	13.9	2	0.70
1010	Lacaille 9158	6.6	...	22	29	57.42	130	33	24.6	1	0.75
1011	Taylor 10477	6.1	...	22	32	11.34	145	7	31.4	3	0.80
1012	... ..	9.0	2	22	34	16.12	155	31	1.2	2	0.78
1013	42 Pegasi 3	3.6	...	22	34	43.74	79	52	21.7	11	0.76
1014	... ..	9.1	1	22	36	31.00	130	26	35.8	1	0.63
1015	Lacaille 9226	6.5	...	22	37	42.80	145	46	18.9	1	0.67

992 — Comparison star for Comet 2, 1862.

1005 — Groombridge 3730.

1009 — T Aquarii Var. 3. — Period unknown. Supposed to change between 9th and 11th magnitudes.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
981	Lacaille 6958 ...	+ 3.8268	- 0.0128	...	- 16.785	- 0.290	...	...
982	... ..	+ 3.7576	- 0.0383	...	- 16.803	- 0.292	...	...
983	Taylor 10100 ...	+ 4.1499	- 0.0605	...	- 16.069	- 0.316	...	7645
984	... ..	+ 3.8177	- 0.0441	...	- 17.046	- 0.296	...	...
985	... ..	+ 4.3237	- 0.0872	...	- 17.102	- 0.323	...	...
986	α^2 Indi ...	+ 4.2758	- 0.0845	...	- 17.206	- 0.314	...	7669
987	... ..	+ 3.7743	- 0.0430	...	- 17.292	- 0.272	...	...
988	34 Aquarii α ...	+ 3.0835	- 0.0041	- 0.003	- 17.318	- 0.219	+ 0.02	7688
989	α Crui ...	+ 3.8061	- 0.0457	+ 0.011	- 17.356	- 0.270	+ 0.15	7692
990	... ..	+ 3.2004	- 0.0093	...	- 17.514	- 0.219	...	...
991	... ..	+ 3.1977	- 0.0092	...	- 17.602	- 0.216	...	...
992	W. B. E. XXII. 98...	+ 3.0768	- 0.0037	...	- 17.642	- 0.206	...	...
993	... ..	+ 4.0093	- 0.0681	...	- 17.756	- 0.264	...	...
994	43 Aquarii θ ...	+ 3.1640	- 0.0075	+ 0.006	- 17.777	- 0.205	+ 0.03	7773
995	... ..	+ 4.1457	- 0.0843	...	- 17.890	- 0.365	...	...
996	... ..	+ 3.0786	- 0.0677	...	- 17.917	- 0.253	...	...
997	... ..	+ 2.9975	0.0000	...	- 18.002	- 0.185	...	...
998	... ..	+ 2.9971	+ 0.0001	...	- 18.027	- 0.184	...	...
999	... ..	+ 3.6731	- 0.0422	...	- 18.060	- 0.225	...	...
1000	... ..	+ 3.7710	- 0.0516	...	- 18.136	- 0.227	...	...
1001	55 Aquarii 3 1st...	+ 3.0700	- 0.0033	+ 0.009	- 18.245	- 0.178	- 0.03	7832
1002	55 Aquarii 3 2nd...	+ 3.0700	- 0.0033	+ 0.009	- 18.245	- 0.178	- 0.03	7832
1003	... ..	+ 3.1762	- 0.0085	...	- 18.246	- 0.189	...	...
1004	57 Aquarii ϵ ...	+ 3.1820	- 0.0089	- 0.004	- 18.303	- 0.182	- 0.05	7840
1005	R. P. L. 150 ...	+ 3.7544	- 1.1741	+ 0.048	- 18.306	+ 0.232	- 0.05	7851
1006	... ..	+ 3.6273	- 0.0412	...	- 18.334	- 0.206	...	...
1007	... ..	+ 3.7428	- 0.0527	...	- 18.380	- 0.210	...	...
1008	62 Aquarii η ...	+ 3.0794	- 0.0031	+ 0.003	- 18.475	- 0.166	+ 0.06	7868
1009	T Aquarii Var. 3 ...	+ 3.1477	- 0.0072	...	- 18.488	- 0.170	...	...
1010	Lacaille 9189 ...	+ 3.5102	- 0.0333	...	- 18.527	- 0.189	...	...
1011	Taylor 10477 ...	+ 3.6759	- 0.0708	...	- 18.601	- 0.303	...	7890
1012	... ..	+ 4.1450	- 0.1067	...	- 18.668	- 0.213	...	...
1013	42 Pegasi 3 ...	+ 2.9853	+ 0.0023	+ 0.001	- 18.683	- 0.149	0.00	7908
1014	... ..	+ 3.4779	- 0.0327	...	- 18.741	- 0.173	...	...
1015	Lacaille 9226 ...	+ 3.7026	- 0.0622	...	- 18.776	- 0.185	...	...

989. — Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
1016	... ..	8.9	1	22	40	55.86	142	37	44.4	1	0.78
1017	... ..	8.3	3	22	44	45.02	130	0	58.7	3	0.75
1018	... ..	9.6	2	22	44	47.72	146	32	44.2	2	0.78
1019	... ..	9.0	1	22	44	54.19	148	34	13.9	1	0.73
1020	... ..	9.0	1	22	40	16.76	135	27	35.6	1	0.78
1021	24 Pis. Aust. α (<i>Fomalhaut</i>)	1.3	...	22	50	11.14	120	20	13.9	3	0.82
1022	... ..	8.1	2	22	50	22.79	110	59	45.2	2	0.84
1023	... ..	9.3	2	22	51	29.93	151	32	58.1	2	0.76
1024	Lacaille 9353	5.6	...	22	56	39.79	144	41	18.1	2	0.76
1025	64 Pegasi α (<i>Markab</i>)	2.6	...	22	58	2.22	75	31	16.3	12	0.77
1026	... ..	8.6	2	22	59	23.90	150	21	47.3	2	0.82
1027	R Pegasi Var. 2	10.2	3	22	59	52.23	80	11	8.2	3	0.76
1028	... ..	9.6	2	23	4	21.88	130	48	57.6	2	0.77
1029	Lacaille 9394	8.0	2	23	5	13.49	145	50	20.2	2	0.81
1030	Lacaille 9405	8.0	2	23	7	30.10	150	25	45.9	2	0.80
1031	... ..	8.8	1	23	8	11.74	150	30	59.3	1	0.87
1032	Lacaille 9423	7.0	1	23	9	58.87	151	44	15.2	1	0.87
1033	6 Piscium γ	3.8	...	23	10	9.96	87	27	17.7	12	0.78
1034	... ..	9.8	2	23	11	9.47	127	25	15.5	2	0.80
1035	... ..	9.6	2	23	12	16.51	127	24	32.9	2	0.80
1036	... ..	8.0	2	23	15	20.50	130	45	56.2	2	0.80
1037	Taylor 10748	5.7	1	23	17	36.28	147	35	25.4	1	0.87
1038	8 Piscium α	5.0	...	23	20	0.60	80	28	59.0	13	0.79
1039	... ..	7.0	2	23	20	48.61	88	51	22.1	2	0.87
1040	... ..	9.6	1	23	21	0.58	137	27	25.8	1	0.82
1041	... ..	8.5	2	23	23	40.81	148	57	16.2	2	0.76
1042	... ..	9.6	1	23	25	32.02	120	51	40.3	1	0.87
1043	Taylor 10804	6.9	1	23	27	33.03	147	34	17.0	1	0.86
1044	... ..	8.7	2	23	27	49.24	148	14	27.2	2	0.78
1045	... ..	8.5	3	23	29	53.13	148	54	59.1	3	0.77
1046	... ..	9.1	1	23	29	57.86	137	19	46.3	1	0.87
1047	... ..	8.8	2	23	30	28.20	148	56	22.7	2	0.77
1048	17 Piscium δ	4.3	...	23	33	0.38	85	6	19.1	11	0.78
1049	Lacaille 9553	8.7	...	23	34	53.58	128	43	33.1	1	0.79
1050	19 Piscium	5.2	—	23	39	29.55	87	15	43.6	2	0.68

1027 — R Pegasi Var. 2. — Period 352 days. Range, 7th to 13th magnitude.

Observed with the Malpas Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in H. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	<i>"</i>	<i>"</i>	<i>"</i>	
1016	... ..	+ 3.6040	- 0.0534	...	- 18.673	- 0.162	...	...
1017	... ..	+ 3.4341	- 0.0317	...	- 18.984	- 0.164	...	...
1018	... ..	+ 3.7001	- 0.0604	...	- 18.984	- 0.166	...	...
1019	... ..	+ 3.7762	- 0.0697	...	- 18.989	- 0.169	...	...
1020	... ..	+ 3.4847	- 0.0388	...	- 19.107	- 0.147	...	...
1021	24 Pis. Aust. α (<i>Hem.</i>)	+ 3.3067	- 0.0210	+ 0.022	- 19.132	- 0.135	+ 0.19	7992
1022	... ..	+ 3.2256	- 0.0140	...	- 19.137	- 0.133	...	...
1023	... ..	+ 3.7987	- 0.0796	...	- 19.165	- 0.155	...	...
1024	Lacaille 9353	+ 3.5872	- 0.0559	...	- 19.294	- 0.135	...	8020
1025	54 Pegasi α (<i>Markab</i>)	+ 2.9798	+ 0.0056	+ 0.003	- 19.326	- 0.107	+ 0.02	8034
1026	... ..	+ 3.6863	- 0.0728	...	- 19.358	- 0.133	...	...
1027	R Pegasi Var. 2	+ 3.0121	+ 0.0034	...	- 19.369	- 0.106	...	...
1028	... ..	+ 3.3406	- 0.0305	...	- 19.467	- 0.109	...	...
1029	Lacaille 9394	+ 3.5385	- 0.0571	...	- 19.484	- 0.114	...	...
1030	Lacaille 9405	+ 3.6072	- 0.0703	...	- 19.531	- 0.111	...	...
1031	... ..	+ 3.6021	- 0.0704	...	- 19.545	- 0.110	...	...
1032	Lacaille 9423	+ 3.6103	- 0.0743	...	- 19.579	- 0.106	...	8101
1033	6 Piscium γ	+ 3.0591	+ 0.0005	+ 0.017	- 19.583	- 0.087	+ 0.01	8105
1034	... ..	+ 3.2885	- 0.0264	...	- 19.601	- 0.093	...	...
1035	... ..	+ 3.2896	- 0.0263	...	- 19.622	- 0.087	...	...
1036	... ..	+ 3.2953	- 0.0296	...	- 19.675	- 0.085	...	...
1037	Taylor 10748	+ 3.4394	- 0.0382	...	- 19.713	- 0.085	...	8157
1038	8 Piscium α	+ 3.0699	0.0000	+ 0.005	- 19.751	- 0.069	+ 0.12	8169
1039	... ..	+ 3.0676	+ 0.0003	...	- 19.762	- 0.068	...	...
1040	... ..	+ 3.3182	- 0.0375	...	- 19.766	- 0.074	...	...
1041	... ..	+ 3.4226	- 0.0605	...	- 19.803	- 0.070	...	...
1042	... ..	+ 3.2393	- 0.0275	...	- 19.829	- 0.062	...	...
1043	Taylor 10804	+ 3.3690	- 0.0555	...	- 19.834	- 0.060	...	8208
1044	... ..	+ 3.3744	- 0.0572	...	- 19.857	- 0.060	...	...
1045	... ..	+ 3.3627	- 0.0593	...	- 19.883	- 0.055	...	...
1046	... ..	+ 3.2617	- 0.0360	...	- 19.883	- 0.053	...	...
1047	... ..	+ 3.3573	- 0.0583	...	- 19.888	- 0.054	...	...
1048	17 Piscium ϵ	+ 3.0595	+ 0.0030	+ 0.025	- 19.917	- 0.042	+ 0.45	8233
1049	Lacaille 9583	+ 3.1707	- 0.0248	...	- 19.970	- 0.034	...	...
1050	19 Piscium	+ 3.0664	+ 0.0021	- 0.004	- 19.975	- 0.031	+ 0.03	8262

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
1051	... ..	9.7	...	23	41	7.84	128	46	20.3	1	0.79
1052	8 Sculptoris	4.6	...	23	41	53.37	118	52	36.0	5	0.82
1053	... ..	8.7	1	23	42	6.62	150	40	37.0	1	0.86
1054	Lalande 46650	9.2	4	23	42	0.12	89	18	54.5	4	0.79
1055	... ..	9.6	1	23	47	46.65	128	50	37.5	1	0.74
1056	... ..	9.1	2	23	50	0.41	148	53	5.1	2	0.78
1057	... ..	8.8	1	23	51	45.58	152	20	18.6	1	0.76
1058	28 Piscium ω	4.2	...	23	52	22.79	83	53	3.3	0	0.79
1059	Lacaille 9686	6.8	...	23	53	35.67	143	50	50.2	1	0.75
1060	... ..	9.3	2	23	56	1.55	130	16	41.6	2	0.79
1061	... ..	8.0	1	23	56	10.82	124	7	26.1	2	0.83
1062	Taylor 10994	8.4	3	23	57	50.51	167	35	41.0	3	0.78
1063	Lacaille 9721	5.7	...	23	59	19.01	139	49	34.1	2	0.75

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
1051	.. ..	+ 3.1604	- 0.0244	..	- 19.988	- 0.029	..	..
1052	3 Sculptoris ..	+ 3.1302	- 0.0161	+ 0.009	- 19.992	- 0.026	+ 0.10	8275
1053	.. ..	+ 3.2588	- 0.0589	..	- 19.994	- 0.028	..	..
1054	Lalande 46650 ..	+ 3.0690	+ 0.0018	..	- 19.994	- 0.026	..	..
1055	.. ..	+ 3.1295	- 0.0237	..	- 20.026	- 0.015	..	..
1056	.. ..	+ 3.1687	- 0.0512	..	- 20.036	- 0.011	..	..
1057	.. ..	+ 3.1633	- 0.0590	..	- 20.042	- 0.008	..	..
1058	28 Piscium ..	+ 3.0672	+ 0.0047	+ 0.010	- 20.044	- 0.005	+ 0.13	8331
1059	Lacaille 2686 ..	+ 3.1233	- 0.0407	..	- 20.047	- 0.004	..	..
1060	.. ..	+ 3.0918	- 0.0240	..	- 20.052	+ 0.001	..	..
1061	.. ..	+ 3.0872	- 0.0185	..	- 20.052	+ 0.001	..	..
1062	Taylor 10994 ..	+ 3.0920	- 0.0435	..	- 20.054	+ 0.005	..	..
1063	Lacaille 9721 ..	+ 3.0769	- 0.0336	..	- 20.055	+ 0.008	..	..

1052 — Proper motions from "Stone's Cape Catalogue."

SEPARATE RESULTS
OF
OBSERVATIONS
OF THE FIXED STARS,
MADE WITH THE
MADRAS MERIDIAN CIRCLE
IN THE YEAR
1866.

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1900.	No. of Wires.	Mean Polar Distance 1900.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1900.	No. of Wires.	Mean Polar Distance 1900.	Observer.
		h. m. s.		" " "				h. m. s.		" " "	
1 Taylor 11010.						9 Anon.					
Nov. 12	80	0 0 31.80	...	147 34 58.6	R	Nov. 9	99	0 9 39.06	...	153 54 27.9	R
2 21 Andromedae α Alpherat.						10 Anon.					
Sep. 22	...	0 1 27.90	...	61 38 58.3	R	Oct. 31	99	0 10 40.71	...	152 0 11.7	R
Oct. 10	...	1 27.94	...	38 58.5	M	Nov. 12	92	10 40.51	...	0 13.6	R
11	...	1 27.85	...	38 59.5	M	11 Lacaille 41.					
27	...	1 27.86	...	38 58.5	R	Sep. 26	80	0 12 39.73	...	130 51 23.4	M
29	...	1 27.99	...	38 59.3	R	Oct. 27	82	12 39.65	...	51 23.4	R
31	...	1 27.85	5	38 58.7	R	12 Anon.					
Nov. 8	...	1 27.92	...	38 59.3	R	Oct. 30	75	0 15 54.62	...	51 59 21.9	R
14	...	1 27.91	...	38 59.5	R	13 Lacaille 61.					
3 Lacaille 9739.						Nov. 3	75	0 16 7.58	...	130 0 18.7	R
Nov. 5	80	0 2 10.16	...	130 28 59.1	R	6	70	16 7.56	...	0 19.5	R
4 Lacaille 9757.						14 Anon.					
Nov. 6	80	0 4 31.16	...	131 7 7.8	R	Oct. 27	93	0 18 36.98	5	152 56 59.3	R
5 88 Pegasi γ, Algenib.						Nov. 3	90	18 36.81	...	56 56.4	R
Oct. 30	...	0 6 20.26	...	75 33 41.3	R	15 Lacaille 81.					
Nov. 3	...	6 20.19	...	33 41.5	R	Nov. 6	71	0 18 41.20	...	130 0 23	R
7	...	6 20.20	...	33 41.9	R	16 10 Ceti.					
9	...	6 20.23	...	33 41.8	R	Aug. 27	...	0 19 41.90	...	90 47 32.1	M
10	...	6 20.23	...	33 42.2	R	28	...	19 45.04	...	47 33.2	M
11	...	6 20.23	...	33 41.9	R	17 12 Ceti.					
19	...	6 20.22	...	33 39.8	R	Oct. 11	...	0 23 11.98	...	91 41 55.1	M
6 Anon.						31	...	23 12.00	...	41 54.1	R
Nov. 6	92	0 6 41.46	...	131 6 22.3	R	Nov. 10	...	23 11.98	...	41 53.6	R
7 Lalande 163.						12	...	23 11.98	...	41 53.7	R
Oct. 9	77	0 7 44.30	...	89 26 54.2	M	14	...	23 11.97	...	41 53.6	R
10	79	7 44.33	...	26 54.1	M	19	...	23 11.91	...	41 51.4	R
12	74	7 44.33	...	26 54.7	M	22	...	23 12.00	...	41 51.0	R
8 Anon.											
Nov. 3	90	0 9 29.63	5	109 31 11.3	R						

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires	Mean Polar Distance 1866.			Observer.
A.	m.	s.				°	'	"	
18 <i>Lacaille 132.</i>									
Oct. 9	8.0	0 27 23.90	5	151	53	16.8	m		
12	7.8	27 24.28	...		53	17.3	m		
Nov. 3	9.0	27 23.49	...		53	16.3	n		
6	8.9	27 23.93	5		53	13.8	n		
19 <i>Anon.</i>									
Oct. 5	8.5	0 31 32.31	...	82	27	41.6	m		
Nov. 3	8.5	31 32.38	...		27	41.1	n		
20 <i>Lalande 1010.</i>									
Oct. 30	9.5	0 32 21.72	...	82	31	46.8	n		
Nov. 7	9.5	32 21.64	...		31	46.5	n		
21 <i>18 Cassiopeæ a Var. 2, Shedir.</i>									
Nov. 8	...	0 32 55.14	...	34	11	52.9	n		
9	...	32 55.19	...		11	53.6	n		
22 <i>16 Ceti β.</i>									
Oct. 31	...	0 36 51.56	...	108	43	22.6	n		
Nov. 10	...	36 51.64	...		43	21.8	n		
12	...	36 51.72	...		43	22.5	n		
19	...	36 51.66	...		43	19.9	n		
Dec. 6	...	36 51.58	...		43	22.8	n		
23 <i>W. B. E. 0-628.</i>									
Nov. 22	9.3	0 37 0.17	...	93	48	46.3	n		
24 <i>Anon.</i>									
Nov. 26	9.5	0 39 59.45	5	159	41	13.0	n		
25 <i>W. B. E. 0-697.</i>									
Oct. 9	9.1	0 40 40.57	...	95	13	51.4	m		
12	9.0	40 40.65	...		13	51.1	m		
27	9.5	40 40.65	...		13	52.1	n		
26 <i>W. B. E. 0-705.</i>									
Nov. 3	9.0	0 41 14.24	...	94	26	39.5	n		
7	9.0	41 14.36	...		26	40.1	n		
27 <i>63 Piscium δ</i>									
Sep. 24	...	0 41 44.03	...	83	8	41.0	m		
25	...	41 44.04	...		8	41.5	m		
Nov. 19	...	41 43.83	4		8	40.0	n		
28 <i>W. B. E. 0-716.</i>									
Nov. 27	9.5	0 41 47.59	...	94	36	7.8	n		
29 <i>20 Ceti.</i>									
Aug. 27	5.6	0 46 9.58	..	91	52	22.2	m		
30 <i>Anon.</i>									
Oct. 25	...	0 47 41.05	6	153	39	41.9	n		
Nov. 8	10.0	47 40.94	5		39	39.6	n		
22	9.7	47 40.98	5		39	34.8	n		
31 <i>λ¹ Toucani.</i>									
Nov. 3	6.5	0 48 2.62	...	153	36	0.1	n		
32 <i>Anon.</i>									
Nov. 9	9.6	0 49 0.15	4	153	49	10.1	n		
26	9.5	49 0.52	5		49	7.8	n		
33 <i>Anon.</i>									
Nov. 7	9.0	0 49 0.60	5	153	46	35.8	n		
34 <i>Lacaille 264.</i>									
Nov. 27	...	0 50 49.06	6	154	41	26.0	n		
35 <i>2 Ursæ Minoris—s.p.</i>									
May 3	..	0 50 57.66	3	4	27	48.5	m		
4	...	50 58.49	3		27	47.4	m		
36 <i>R. P. L. 14—s.p.</i>									
Apr. 19	...	0 51 13.85	3	3	34	2.1	n		
20	...	51 14.94	3		34	13.0	n		

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.
53 106 Piscium ν						60 Anon.					
Aug. 28	...	1 34 27.53	...	85 11 30.6	x	Oct. 30	9.3	1 48 36.99	...	150 4 37.7	x
Oct. 25	...	34 27.43	...	11 30.8	x	61 Lacaille 593.					
Nov. 6	...	34 27.57	...	11 30.1	x	Oct. 29	9.2	1 52 6.70	...	149 7 40.1	x
9	...	34 27.56	...	11 30.5	x	62 Anon.					
22	...	34 27.56	...	11 30.8	x	Oct. 27	9.0	1 54 57.51	...	130 55 5.7	x
27	...	31 27.54	...	11 29.4	x	30	8.5	54 57.67	5	55 5.9	x
28	...	24 27.62	...	11 30.0	x	63 Taylor 673.					
30	...	34 27.54	...	11 30.0	x	Oct. 31	7.5	1 56 21.89	0	72 23 31.8	x
Dec. 6	...	34 27.56	...	11 30.5	x	Nov. 10	7.0	56 21.88	...	23 31.5	x
54 110 Piscium $\circ$						64 13 Arietis α					
Sep. 25	...	1 38 19.25	...	81 31 4.0	x	Oct. 25	...	1 59 37.49	...	67 10 23.6	x
26	...	38 19.16	...	31 3.2	x	Nov. 7	...	59 37.43	...	10 24.0	x
55 Anon.						13	...	59 37.38	...	10 22.5	x
Oct. 30	9.0	1 39 57.76	...	149 26 43.5	x	26	...	59 37.46	...	10 20.1	x
56 Lacaille 516.						28	...	59 37.34	...	10 22.6	x
Oct. 31	...	1 40 2.34	...	151 41 30.5	x	Dec. 8	...	59 37.45	...	10 23.1	x
Nov. 26	8.0	40 2.34	...	41 26.9	x	10	...	59 37.30	...	10 22.4	x
57 Anon.						12	...	59 37.30	...	10 22.0	x
Oct. 29	9.5	1 42 3.03	...	130 14 38.6	x	17	...	59 37.47	...	10 23.6	x
Nov. 10	9.3	42 1.99	...	14 37.4	x	65 Anon.					
22	9.2	42 2.05	...	14 34.8	x	Nov. 22	9.5	2 1 7.28	...	149 45 28.4	x
58 6 Arietis β						66 Anon.					
Nov. 3	...	1 47 14.54	...	60 50 55.5	x	Oct. 29	9.5	2 2 0.14	...	130 1 55.3	x
6	...	47 14.43	...	50 55.4	x	67 17 Arietis γ					
7	...	47 14.53	...	50 55.1	x	Oct. 31	...	2 5 18.46	6	60 25 14.0	x
9	...	47 14.46	...	50 55.3	x	68 65 Ceti ξ^1					
28	...	47 14.53	...	50 54.1	x	Sep. 25	...	2 5 54.06	...	81 46 59.6	x
Dec. 12	...	47 14.63	...	50 55.8	x	Dec. 17	...	5 53.99	...	47 0.3	x
59 V Piscium Var. 5.						18	...	5 54.06	...	47 1.3	x
Oct. 25	7.8	1 47 17.06	...	81 52 49.5	x						
27	7.7	47 17.72	5	52 47.6	x						
Dec. 6	7.7	47 17.90	...	52 47.9	x						
8	7.2	47 17.84	...	52 47.2	x						
10	7.6	47 17.87	...	52 46.0	x						

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87	<i>Lacaille 868.</i>					98	<i>92 Ceti α, Menkar.</i>				
Nov. 13	8.9	2 38 36.29	..	147 12 40.3	n	Dec. 10	...	2 55 16.31	3	86 26 17.1	m
						13	...	55 16.69	5	26 18.1	m
88	<i>W. B. N. II. 676.</i>					99	<i>25 Persei ρ Var. 2.</i>				
Nov. 10	8.0	2 40 15.99	..	75 19 53.3	n	Nov. 13	...	2 56 35.82	..	51 40 53.8	n
89	<i>Anon.</i>					100	<i>Taylor 1037.</i>				
Jan. 6	9.4	2 41 45.55	...	151 2 11.3	m	Dec. 8	7.0	2 56 56.94	...	150 21 7.8	m
						12	7.0	56 56.77	...	21 6.4	m
90	<i>Anon.</i>					101	<i>Anon.</i>				
Jan. 4	7.9	2 43 21.24	6	148 0 6.3	m	Jan. 8	..	2 59 54.15	...	151 19 22.6	m
						Nov. 27	8.0	59 53.96	5	19 21.7	n
91	<i>Anon.</i>					102	<i>57 Arietis δ.</i>				
Nov. 3	9.2	2 44 32.16	5	149 13 19.2	n	Dec. 13	...	3 3 58.21	...	70 46 58.1	m
8	9.3	44 32.43	...	13 19.2	n	17	...	3 58.12	...	46 58.5	n
Dec. 8	8.0	44 32.28	6	13 20.4	n	18	...	3 58.14	...	46 58.5	n
						19	...	3 58.19	4	46 57.5	n
92	<i>Anon.</i>					103	<i>Taylor 1081.</i>				
Dec. 17	9.2	2 45 22.29	..	76 27 25.2	n	Jan. 10	7.6	3 5 15.21	5	151 39 49.8	m
						11	7.6	5 15.57	4	39 48.9	m
93	<i>Lacaille 941.</i>					104	<i>Taylor 1092.</i>				
Nov. 8	...	2 50 29.96	...	146 25 35.0	n	Nov. 13	7.0	3 7 19.42	...	148 19 1.7	n
						27	7.3	7 18.35	5	18 58.9	n
94	<i>Anon.</i>					105	<i>Anon.</i>				
Jan. 6	8.0	2 52 25.03	..	150 16 38.6	m	Dec. 7	8.0	3 10 22.60	...	131 43 44.4	m
						18	8.7	10 22.60	5	43 44.4	n
95	<i>91 Ceti λ</i>					106	<i>Taylor 1127.</i>				
Sep. 26	...	2 53 32.07	...	81 37 42.6	m	Dec. 18	8.4	3 11 51.76	5	131 45 53.9	n
96	<i>Anon.</i>					107	<i>Anon.</i>				
Nov. 27	9.2	2 53 14.81	5	146 43 57.8	n	Oct. 24	8.5	3 12 27.91	..	130 57 46.0	m
97	<i>Lacaille 969.</i>										
Dec. 17	8.0	2 54 57.00	..	144 13 28.7	n						

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108	<i>Anon.</i>					118	<i>Lacaille 1149.</i>				
Jan. 5	8.2	3 12 45.64	...	130 49 43.5	M	Jan. 6	7.0	3 23 40.12	...	150 18 41.8	M
12	8.4	12 45.70	5	49 49.7	M	8	...	23 39.95	...	19 43.3	M
109	<i>33 Persei α.</i>					Nov. 27	8.0	23 39.94	5	18 40.7	R
Dec. 13	...	3 14 46.08	5	40 37 7.6	M	Dec. 18	8.0	23 39.19	...	18 43.8	R
110	<i>Anon.</i>					119	<i>Anon.</i>				
Nov. 13	...	3 14 53.75	5	150 5 53.7	R	Dec. 7	6.8	3 30 15.71	...	151 50 36.1	M
Dec. 17	9.5	14 53.92	5	5 53.8	R	22	7.0	30 15.80	5	50 36.3	R
111	<i>5^h Retiuli.</i>					120	<i>Lacaille 1159.</i>				
Nov. 27	...	3 15 18.58	5	153 1 7.3	R	Jan. 15	6.5	3 30 18.78	5	151 28 12.0	M
112	<i>Anon.</i>					121	<i>Lacaille 1192.</i>				
Jan. 15	7.3	3 30 37.21	...	140 23 5.3	M	Nov. 26	9.0	3 35 1.42	...	147 43 21.1	R
Dec. 7	7.0	20 36.93	6	28 6.8	R	122	<i>Anon.</i>				
113	<i>Anon.</i>					Jan. 10	9.0	3 35 22.05	...	150 12 53.6	M
Nov. 27	9.5	3 20 47.00	5	54 47 20.9	M	11	8.8	35 22.24	...	12 54.5	M
114	<i>R Persei Var. 3.</i>					123	<i>Taylor 1256.</i>				
Dec. 22	9.7	3 21 31.88	6	54 47 35.8	R	Jan. 5	7.9	3 35 29.64	5	150 12 52.0	M
115	<i>R. P. L. 34.—s.p.</i>					124	<i>Lacaille 1200.</i>				
May 1	...	3 22 52.92	2	3 46 53.9	R	Oct. 24	6.9	3 36 27.19	...	146 40 8.7	M
9	...	22 53.14	3	46 54.2	R	125	<i>Anon.</i>				
116	<i>5 Tauri f</i>					Jan. 6	9.0	3 38 9.02	...	136 12 29.7	M
Oct. 24	...	3 23 29.54	...	77 31 30.0	M	Dec. 8	9.0	28 9.06	—	12 31.6	M
25	...	23 28.55	...	31 31.3	M	126	<i>Anon.</i>				
117	<i>Lacaille 1143.</i>					Nov. 27	8.0	3 39 27.28	...	66 30 8.1	R
Jan. 5	5.7	3 27 3.08	5	133 24 20.7	M	127	<i>25 Tauri γ, Alcyone.</i>				
						Dec. 7	—	3 39 31.27	—	66 18 44.1	M
						18	—	29 31.25	—	18 44.2	R
						22	—	29 31.22	—	18 43.4	R

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128	<i>Anon.</i>					137	<i>Lalande 7581.</i>				
Jan. 5	8.6	3 45 18.58	..	76 27 23.9	m	Jan. 5	8.0	3 58 20.57	...	74 52 0.8	m
						8	8.0	58 20.32		52 1.8	m
129	<i>Anon.</i>					138	<i>Lacaille 1359.</i>				
Jan. 8	8.0	3 46 35.09	4	146 33 17.2	m	Jan. 15	7.9	4 0 3.62	...	147 49 46.8	m
130	<i>Anon.</i>					139	<i>Lacaille 1375.</i>				
Jan. 6	7.7	3 48 5.98	4	150 49 51.2	m	Jan. 13		4 2 57.10	...	148 50 28.8	m
10	8.0	48 6.03	...	49 55.7	m						
11	8.0	48 5.80	...	49 51.7	m						
131	<i>34 Eridani γ^1</i>					140	<i>Lalande 7764.</i>				
Jan. 12	...	3 51 46.73	...	103 53 30.9	m	Dec. 7	7.9	4 3 35.03	...	74 43 32.6	m
Nov. 26	...	51 46.73	...	53 28.7	m						
Dec. 7	...	51 46.73	...	53 30.9	m	141	<i>38 Eridani σ^1</i>				
8	...	51 46.64	...	53 30.6	m	Jan. 4		4 5 19.59	...	97 11 21.1	m
132	<i>Anon.</i>					10	...	5 19.62	...	11 22.0	m
Nov. 27	9.9	3 53 9.30	...	128 25 1.1	m	11	...	5 19.46	...	11 21.7	m
133	<i>35 Tauri λ Var. 1.</i>					Nov. 26	...	5 19.43	...	11 19.7	m
Oct. 24	...	3 53 15.42		77 53 27.2	m	Dec. 8	...	5 19.45	...	11 22.5	m
25	...	53 15.45		53 28.1	m						
134	<i>Lacaille 1327.</i>					142	<i>Anon.</i>				
Dec. 10	6.0	3 54 20.29	.	153 51 8.8	m	Jan. 5	8.0	4 9 20.91	...	140 30 51.0	m
135	<i>R. P. L. 35.</i>					6	8.0	9 20.00		30 51.5	m
Dec. 6	...	3 55 27.24	2	4 48 12.9	m	15	7.7	9 20.09	...	30 53.4	m
23	...	55 27.29	3	48 13.7	m						
	<i>R. P. L. 35—s.p.</i>					143	<i>Anon.</i>				
May 26		3 55 26.20	3	4 48 12.1	m	Jan. 8	8.1	4 9 50.72		129 18 33.2	m
136	<i>Lacaille 1347.</i>					16	9.0	9 50.81		18 33.9	m
Jan. 6	7.1	3 58 9.32		149 2 15.5	m	144	<i>Lacaille 1425.</i>				
						Nov. 27	6.2	4 13 2.82		152 31 45.8	m
						145	<i>Anon.</i>				
						Dec. 10	8.9	4 13 54.76	...	70 51 13.1	m
						146	<i>U Tauri Var. 7.</i>				
						Jan. 19	10.0	4 14 0.70	...	70 30 22.3	m
						Dec. 22	10.0	14 0.66		30 22.3	m

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147	61 Tauri δ^1					156	87 Tauri α, Aldebaran.				
Nov. 22	...	4 15 12.56	5	72 46 26.5	R	Jan. 5	...	4 28 13.96	...	73 45 47.2	M
						10	...	28 14.01	...	45 48.2	M
						11	...	28 13.98	...	45 46.6	M
						12	...	28 14.01	...	45 48.4	M
						13	...	28 14.00	...	45 47.4	R
						26	...	28 13.19	...	45 49.5	R
						Dec. 7	...	28 13.19	...	45 48.4	M
						20	...	28 14.00	...	45 46.3	R
148	Anon.					157	Anon.				
Jan. 13	...	4 15 41.32	...	128 39 33.4	R	Jan. 23	8.2	4 28 30.89	...	140 14 33	R
149	Anon.					158	Anon.				
Jan. 11	8.0	4 16 48.11	...	140 4 8.9	M	Jan. 16	9.1	4 31 45.76	...	142 59 20.4	M
150	74 Tauri α					159	Anon.				
Jan. 6	...	4 20 47.69	...	71 7 11.6	M	Jan. 18	9.7	4 33 0.90	...	130 47 53.2	M
10	...	20 47.67	...	7 11.5	M	25	9.5	33 1.04	...	47 59.2	R
12	...	20 47.73	...	7 11.2	M						
20	...	20 47.61	...	7 12.9	R						
26	...	20 47.64	5	7 13.5	R						
Dec. 7	...	20 47.64	...	7 12.3	M						
20	...	20 47.68	...	7 10.5	R						
23	...	20 47.64	...	7 12.2	R						
151	R Tauri Var. 2.					160	Anon.				
Jan. 16	9.3	4 20 57.34	4	80 8 22.3	M	Dec. 17	8.5	4 33 41.76	5	67 31 51.3	R
18	9.3	20 57.27	...	8 22.5	M	161	Anon.				
152	Anon.					Jan. 5	9.0	4 33 55.06	5	130 51 27.4	M
Jan. 19	10.2	4 22 8.78	5	80 27 46.8	R	162	Anon.				
153	Anon.					Jan. 15	8.7	4 34 32.60	5	141 55 36.0	M
Jan. 17	10.2	4 22 28.55	5	80 20 50.4	R	163	95 Tauri.				
154	Lacaille 1519.					Jan. 22	7.0	4 35 7.14	...	66 10 6.6	R
Jan. 15	7.0	4 25 37.01	...	153 5 51.5	M	Dec. 19	7.4	35 7.01	...	10 5.8	M
155	Lacaille 1520.					164	Lacaille 1567.				
Jan. 24	8.6	4 26 43.66	...	147 28 44.9	R	Jan. 8	5.6	4 35 12.58	...	152 30 33.3	M
						165	Lacaille 1566.				
						Jan. 24	7.3	4 35 45.68	...	145 28 9.4	R

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166	<i>Anon.</i>					176	<i>3 Aurigae α.</i>				
Jan. 23	9.7	4 36 26.88	...	64 19 0.0	R	Jan. 4	...	4 48 16.47	...	57 2 57.6	M
167	<i>Lacaille 1582.</i>					5	...	48 16.18	...	2 58.0	M
Jan. 6	7.6	4 37 20.19	...	152 38 29.2	M	6	...	48 16.33	...	2 58.3	M
17	7.2	37 20.37	5	38 28.8	R	12	...	48 16.09	...	2 59.2	M
19	7.8	37 20.06	...	38 27.7	R	27	...	48 16.18	...	2 59.6	R
168	<i>Anon.</i>					177	<i>Taylor 1761.</i>				
Jan. 10	9.3	4 39 34.52	...	128 56 48.6	M	Jan. 17	7.8	4 50 3.81	4	129 18 29.2	R
169	<i>Anon.</i>					Feb. 5	8.0	50 3.65	4	18 26.0	M
Jan. 16	8.9	4 40 21.05	...	151 20 41.8	R	Dec. 10	6.9	50 3.51	...	18 27.5	M
170	<i>Lacaille 1596.</i>					178	<i>Anon.</i>				
Jan. 18	7.6	4 41 41.56	...	129 21 22.9	R	Jan. 16	10.5	4 51 32.73	4	82 8 36.3	R
22	7.8	41 41.73	5	21 25.4	R	18	10.7	51 32.89	3	8 32.5	R
25	7.9	41 41.60	...	21 24.7	R	179	<i>7 Aurigae α Var. 1.</i>				
171	<i>κ Doradus.</i>					Jan. 23	3.5	4 52 21.42	...	46 22 41.8	R
Jan. 24	6.5	4 42 20.41	...	149 58 46.3	R	24	3.0	52 21.33	...	22 45.3	R
172	<i>Anon.</i>					Dec. 17	4.0	52 21.35	5	22 44.5	R
Jan. 17	9.7	4 43 24.81	...	130 41 0.4	R	180	<i>R Leporis Var. 1.</i>				
23	9.3	43 24.67	...	41 0.0	R	Jan. 25	8.2	4 53 30.45	...	105 0 38.1	R
173	<i>Anon.</i>					26	8.6	53 30.42	...	0 37.9	R
Jan. 19	9.7	4 45 33.92	...	129 21 40.9	R	30	8.5	53 30.41	...	0 38.2	R
174	<i>Anon.</i>					181	<i>Anon.</i>				
Jan. 15	7.7	4 45 57.41	...	153 3 51.4	M	Jan. 15	8.0	4 53 51.01	3	153 0 35.3	M
175	<i>Lacaille 1656.</i>					19	8.5	53 50.74	...	0 32.6	R
Jan. 8	7.9	4 47 58.06	4	149 1 48.1	M	Dec. 8	7.8	53 50.71	...	0 35.8	M
Feb. 6	7.5	47 57.89	...	1 48.3	M	182	<i>Taylor 1797.</i>				
						Dec. 7	6.9	4 54 53.12	...	148 16 46.9	M
						183	<i>Anon.</i>				
						Jan. 17	9.3	4 56 0.54	5	130 17 31.8	R
						184	<i>Lacaille 1697.</i>				
						Feb. 8	7.7	4 56 55.18	...	129 6 59.2	M

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		A.	M.	S.		"	"	"				A.	M.	S.		"	"	"		
202 112 Tauri β																				
Jan. 8	...	5	17	49 40	...	61	30	31.9	M	Feb. 5	8.8	5	25	15 55	...	130	35	15.9	M	
11	...			17 49 46	...		30	33.9	M	16	8.3		25	15 59	...		35	16.2	M	
15	...			17 49 51	...		30	31.2	M	211 Anon.										
16	...			17 49 52	...		30	35.0	M	Jan. 29	8.9	5	25	35 57	...	155	51	13.4	M	
17	...			17 49 54	...		30	35.3	M	212 11 Leporis α										
20	...			17 49 56	...		30	34.6	M	Jan. 6	...	5	26	49 14	...	107	55	14.6	M	
25	...			17 49 52	...		30	34.3	M	20	...		26	49 30	...		55	15.4	M	
Feb. 1	...			17 49 51	...		30	33.6	M	25	...		26	49 26	6		55	14.9	M	
Dec. 19	...			17 49 29	5		30	34.5	M	Feb. 14	...		26	49 18	...		55	15.2	M	
203 R. P. L. 40—s.p.																				
June 25	...	5	19	21 52	5	4	53	50.8	M	213 Taylor 2057.										
204 Lacaille 1854.																				
Jan. 18	8.9	5	21	42 03	...	137	12	45.9	M	Feb. 15	7.1	5	28	2 63	...	151	55	34.1	M	
205 Anon.																				
Jan. 19	10.3	5	21	50 13	5	59	40	53.6	M	214 Lalande 10532.										
206 Anon.																				
Jan. 23	7.0	5	22	30 02	6	152	42	0.9	M	Jan. 22	8.3	5	29	16 29	...	78	15	8.3	M	
207 Anon.																				
Jan. 22	7.7	5	23	31 57	...	151	13	20.9	M	21	9.0		29	16 15	...		15	7.9	M	
Feb. 7	7.6			23 31 53	5		13	20.8	M	Feb. 3	8.0		29	16 28	...		15	6.8	M	
208 λ Doradus.																				
Jan. 30	6.0	5	24	22 09	...	149	1	36.1	M	215 46 Orionis ϵ										
209 34 Orionis δ Var. 1.																				
Jan. 11		5	25	9 72	...	99	24	3.9	M	Jan. 16	...	5	29	24 35	...	91	17	25.0	M	
13			25	9 67	...		24	6.4	M	17	...		29	25 01	5		17	26.8	M	
15			25	9 68	...		24	6.5	M	Feb. 1	...		29	24 92	...		17	25.6	M	
16			25	9 73	...		24	6.7	M	216 123 Tauri γ										
17			25	9 73	...		24	6.1	M	Jan. 26	...	5	29	33 36	...	63	56	33.8	M	
24			25	9 73	...		24	5.0	M	27	...		29	33 27	...		56	33.6	M	
Feb. 1			25	9 69	...		24	4.4	M	Nov. 22	...		29	33 19	...		56	30.9	M	
210 Anon.																				
Jan. 23	9.7	5	29	48 91	5	135	21	58.6	M	217 Anon.										
Feb. 6	9.3			29 48 84	...			21	57.9	M	Jan. 23	9.7	5	29	48 91	5	135	21	58.6	M
218 Anon.																				
Jan. 19	7.9	5	31	1 03	...			12	50.3	M	Dec. 18	8.0		31	0 58	5		12	50.1	M

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		h.	m.	s.		°	'	"	
219	<i>Anon.</i>								
Jan. 18	0.3	5	31	41.90	6	128	42	10.0	n
220	<i>Lacaille 1949.</i>								
Feb. 7	5.9	5	32	16.49	...	154	19	1.5	m
221	<i>Anon.</i>								
Jan. 10	8.6	5	32	44.12	5	150	11	29.6	n
30	8.3		33	43.97	...		11	30.2	n
222	<i>Anon.</i>								
Jan. 18	9.2	5	32	45.99	4	128	41	10.8	n
223	<i>Anon.</i>								
Jan. 26	9.3	5	34	21.51	...	152	7	55.7	n
Feb. 5	8.9		34	21.54	...		7	53.1	m
8	8.0		34	21.51	...		7	55.7	m
224	<i>α Columbae.</i>								
Jan. 4	...	5	34	47.81	...	124	8	50.0	m
15	...		34	47.95	...		8	51.7	m
17	...		34	47.82	...		8	52.3	n
24	...		34	47.89	...		8	52.2	n
225	<i>Lacaille 1971.</i>								
Feb. 16	7.1	5	36	23.44	...	140	11	28.0	m
226	<i>Anon.</i>								
Jan. 16	9.3	5	36	47.44	...	129	57	50.1	n
227	<i>Anon.</i>								
Feb. 3	9.0	5	38	27.74	...	130	5	21.5	m
228	<i>Anon.</i>								
Jan. 23	8.7	5	39	17.54	...	79	0	11.3	n
229	<i>Taylor 2145.</i>								
Jan. 23	6.5	5	39	53.16	...	135	53	44.2	n
230	<i>Anon.</i>								
Jan. 29	9.0	5	39	56.87	...	135	48	5.0	n
231	<i>W. B. E. V. 1011.</i>								
Jan. 22	8.0	5	40	35.61	6	78	57	41.1	n
25	8.3		40	35.62	...		57	40.1	n
Feb. 6	8.5		40	35.64	4		57	38.1	m
232	<i>Lacaille 1984.</i>								
Feb. 10	7.6	5	40	45.66	...	130	15	18.7	m
233	<i>Anon.</i>								
Feb. 5	7.0	5	42	10.19	...	135	3	30.9	m
7	7.6		42	10.31	5		3	31.2	m
234	<i>Anon.</i>								
Jan. 18	9.1	5	43	28.67	5	130	6	52.2	n
235	<i>54 Orionis χ¹</i>								
Jan. 26	...	5	46	26.91	...	60	45	9.1	n
236	<i>Anon.</i>								
Feb. 12	9.0	5	47	4.04	5	135	46	46.6	m
237	<i>Lalande 11166.</i>								
Jan. 23	8.0	5	47	8.21	...	78	32	27.2	n
24	8.0		47	8.18	...		32	28.8	n
30	7.9		47	8.16	...		32	27.9	n
238	<i>58 Orionis = Var. 2, Betelgeux.</i>								
Feb. 1	...	5	47	55.03	...	83	27	15.1	n
8	...		47	54.98	...		27	15.4	n

Separate Results of Mudras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires	Mean Polar Distance 1866.			Observer.
A.	m.	s.				°	'	"	
239	<i>Anon.</i>								
Feb. 10	7.9	5	49	57.28	...	135	43	6.9	M
240	<i>Lacaille 2073.</i>								
Feb. 13	7.7	5	50	34.02	...	137	12	37.4	R
241	<i>Anon.</i>								
Feb. 5	9.5	5	51	0.87	...	130	42	58.4	M
242	<i>Anon.</i>								
Jan. 25	9.0	5	52	45.07	...	129	32	33.5	M
Feb. 15	8.6		52	45.05	5		32	33.2	M
243	<i>R. P. L. 43.</i>								
Feb. 3	...	5	52	54.67	3	3	14	19.3	M
244	<i>Anon.</i>								
Feb. 7	7.8	5	53	20.74	...	131	7	14.1	M
245	<i>Lalande 11455.</i>								
Jan. 20	...	5	53	56.17	...	78	19	12.3	M
22	7.3		53	56.10	...		19	13.1	M
34	7.7		53	56.20	...		19	12.5	M
246	<i>Anon.</i>								
Feb. 6	8.7	5	56	13.48	5	129	57	13.1	M
247	<i>Taylor 2301.</i>								
Feb. 8	6.9	5	58	31.73	...	148	6	18.0	M
248	<i>Taylor 2310.</i>								
Feb. 12	6.9	5	59	39.09	...	150	29	3.6	M
249	<i>Anon.</i>								
Feb. 5	8.0	5	59	44.92	...	129	49	43.7	M
10	7.9		59	44.72	...		49	49.5	M
23	8.0		59	44.90	...		49	48.8	M
250	<i>67 Orionis v</i>								
Jan. 8	...	5	59	55.21	...	75	13	7.9	M
30	...		59	55.20	...		13	7.8	M
Feb. 24	...		59	55.36	...		13	6.2	M
251	<i>Anon.</i>								
Feb. 7	7.1	6	0	51.27	...	137	28	33.0	M
14	7.6		0	54.08	...		28	33.5	M
252	<i>Anon.</i>								
Feb. 15	8.1	6	2	22.02	...	153	44	41.5	M
253	<i>Lalande 11732.</i>								
Jan. 4	8.5	6	3	29.30	...	77	58	53.1	M
6	8.4		3	29.38	...		58	53.1	M
Feb. 3	8.0		3	29.47	...		58	54.8	M
254	<i>Anon.</i>								
Feb. 16	7.1	6	4	26.32	...	128	2	35.3	M
255	<i>Anon.</i>								
Jan. 24	...	6	5	44.58	...	77	51	30.5	M
25	9.2		5	44.46	...		51	31.0	M
256	<i>Anon.</i>								
Jan. 27	...	6	7	29.05	...	151	18	26.8	M
257	<i>Anon.</i>								
Feb. 7	8.6	6	8	53.73	...	131	54	47.3	M
258	<i>Anon.</i>								
Feb. 5	9.0	6	8	57.22	...	130	31	31.8	M
259	<i>Anon.</i>								
Feb. 8	9.0	6	9	31.01	...	131	50	52.9	M
12	9.0		9	31.00	4		50	50.0	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
		h.	m.	s.		°	'	"	
260 <i>Lalande 12053.</i>									
Feb. 14	8.3	6	12	31.26	...	68	51	21.2	M
16	8.0	13	31.15	...		51	18.6		M
20	8.8	12	31.20	6		51	18.8		M
261 <i>Lalande 12094.</i>									
Feb. 15	8.3	6	13	42.31	...	68	42	3.7	M
17	9.0	13	42.22	...		42	3.8		M
19	8.9	13	42.16	...		42	3.6		M
262 <i>Lalande 12120.</i>									
Jan. 3	7.0	6	14	12.39	...	77	4	46.7	M
263 <i>13 Geminorum μ</i>									
Jan. 15	...	6	14	51.15	...	67	25	15.2	M
25	...	14	51.25	...		25	17.4		M
30	...	14	51.22	...		25	16.9		M
Feb. 6	...	14	51.18	...		25	17.2		M
13	...	14	51.17	...		25	16.5		M
264 <i>Lalande 12155.</i>									
Jan. 6	7.3	6	15	5.21	...	77	22	2.1	M
12	7.0	15	5.41	5		22	2.8		M
265 <i>Lacaille 2273.</i>									
Feb. 5	8.0	6	17	4.43	5	153	53	27.7	M
266 <i>Anon.</i>									
Feb. 7	8.7	6	18	34.05	...	151	28	28.8	M
267 <i>Taylor 2485.</i>									
Feb. 12	7.9	6	18	34.25	...	151	16	10.0	M
268 <i>Anon.</i>									
Feb. 17	9.5	6	19	47.28	5	65	30	59.0	M
269 <i>α Argus, Canopus.</i>									
Jan. 20	—	6	20	58.86	—	142	28	25.4	M
270 <i>18 Geminorum ν</i>									
Jan. 27	...	6	21	0.35	...	60	42	23.6	M
271 <i>Lacaille 2312.</i>									
Feb. 8	7.0	6	22	9.29	..	153	36	40.3	M
272 <i>Anon.</i>									
Feb. 14	8.4	6	22	10.61	...	128	43	47.6	M
273 <i>Lacaille 2329.</i>									
Feb. 9	6.9	6	24	6.06	...	153	44	58.0	M
20	7.0	24	6.02	5		44	55.4		M
274 <i>Taylor 2541.</i>									
Feb. 5	6.1	6	24	57.21	...	147	55	4.0	M
275 <i>Lacaille 2348.</i>									
Feb. 23	7.3	6	26	33.08	...	152	3	48.2	M
276 <i>Anon.</i>									
Feb. 7	8.7	6	28	29.30	...	130	55	53.1	M
277 <i>Taylor 2589.</i>									
Jan. 12	6.9	6	29	50.72	...	151	46	23.7	M
Feb. 12	6.7	29	50.83	—		46	50.4		M
15	6.7	29	50.78	...		46	54.7		M
278 <i>24 Geminorum γ.</i>									
Jan. 3	...	6	29	58.29	...	73	20	23.2	M
5	...	29	58.38	...		20	23.2		M
14	...	29	58.18	...		20	23.0		M
22	...	29	58.17	...		20	24.1		M
23	...	29	58.20	...		20	24.2		M
25	...	29	58.23	...		20	24.9		M
27	...	29	58.16	...		20	24.0		M
30	...	29	58.20	—		20	23.9		M
Feb. 3	—	29	58.18	...		20	23.7		M
6	—	29	58.26	...		20	24.9		M
Dec. 22	...	29	58.21	5		20	25.6		M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires	Mean Polar Distance 1866. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires	Mean Polar Distance 1866. ° ' "	Observer.
279 <i>Anon.</i>						287 <i>9 Canis Majoris α, Sirius.</i>					
Feb. 5	8.9	6 31 29.08	5	140 0 17.2	m	Feb. 22	...	6 30 14.34	...	106 32 5.9	m
16	8.9	31 23.84	...	0 19.1	m	288 <i>Anon.</i>					
280 <i>R Monocerotis Var. 1.</i>						Jan. 3	8.0	6 40 33.22	5	131 1 35.7	m
Feb. 13	10.4	6 31 50.93	6	81 9 0.0	n	Feb. 12	8.0	40 33.36	...	1 32.0	m
17	10.5	31 50.93	4	8 59.4	n	289 <i>Anon.</i>					
19	10.5	31 50.92	5	8 53.3	n	Feb. 26	9.2	6 40 33.41	5	151 58 55.3	m
20	10.4	31 50.86	5	8 54.9	n	290 <i>Anon.</i>					
22	...	31 51.19	5	8 56.8	n	Feb. 5	8.7	6 42 27.39	...	130 57 4.2	m
281 <i>Anon.</i>						8	8.1	42 27.39	...	57 4.0	m
Feb. 8	7.7	6 31 34.64	...	130 28 1.6	m	9	8.1	42 27.46	...	57 4.3	m
9	7.7	34 34.63	...	28 2.6	m	291 <i>Anon.</i>					
282 <i>Anon.</i>						Feb. 14	9.0	6 42 41.01	5	130 58 14.2	m
Feb. 21	9.2	6 35 51.32	...	130 38 9.6	n	16	9.0	42 41.17	...	58 14.9	m
23	8.4	35 51.42	5	38 10.3	m	292 <i>Anon.</i>					
283 <i>Taylor 2652.</i>						Feb. 21	8.7	6 42 41.27	...	130 36 28.7	n
Feb. 7	6.2	6 36 34.50	5	151 24 57.0	m	293 <i>Anon.</i>					
284 <i>51 Cephei</i>						Feb. 7	7.6	6 43 43.01	...	128 30 22.1	m
Jan. 5	...	6 36 39.52	3	2 45 25.2	m	294 <i>Anon.</i>					
15	...	36 38.62	2	45 24.3	m	Feb. 23	9.3	6 44 53.54	...	128 30 36.7	m
22	...	36 39.61	3	45 25.8	n	295 <i>Taylor 2724.</i>					
Feb. 10	...	36 40.14	2	45 26.8	m	Jan. 12	8.8	6 44 55.86	...	144 36 11.2	m
<i>51 Cephei—s.p.</i>						296 <i>Anon.</i>					
July 8	...	6 36 39.42	3	2 45 24.5	m	Feb. 17	9.6	6 45 37.08	5	130 10 15.7	n
Aug. 9	...	36 40.08	3	45 25.9	n	26	9.6	45 36.97	5	10 13.9	n
285 <i>Lacaille 2451.</i>											
Feb. 3	8.0	6 39 11.31	...	155 57 48.9	m						

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
A.	m.	s.				o.	'	"		A.	m.	s.				o.	'	"	
297 <i>a Pictoris.</i>										306 <i>23 Canis Majoris γ</i>									
Jan. 4	5.0	6	46	48.93	...	151	47	54.9	M	Jan. 4	...	6	57	41.71	...	105	26	15.4	M
Feb. 15	5.2		46	49.24	5		47	55.1	M	5	...		57	41.60	...		26	15.8	M
298 <i>Lacaille 2532.</i>										18	...		57	41.84	5		26	16.6	M
Mar. 7	6.8	6	48	14.75	...	150	5	41.7	M	19	...		57	41.77	...		26	15.9	M
299 <i>Anon.</i>										24	...		57	41.81	...		26	17.1	M
Feb. 17	9.5	6	48	54.62	6	130	10	26.0	M	29	...		57	41.86	...		26	16.0	M
26	9.3		48	54.55	6		10	23.8	M	Feb. 26	...		57	41.82	...		26	15.4	M
300 <i>Anon.</i>										27	...		57	41.72	...		26	15.0	M
Feb. 12	9.0	6	48	53.24	5	123	46	9.2	M	307 <i>Lalande 13707.</i>									
21	9.2		48	53.19	...		46	11.1	M	Jan. 27	8.2	6	58	13.45	...	67	6	50.8	M
301 <i>Lacaille 2538.</i>										Feb. 7	7.9		58	13.40	...		6	49.3	M
Feb. 22	8.0	6	51	32.71	...	114	47	41.4	M	308 <i>R Geminorum Var. 2.</i>									
302 <i>21 Canis Majoris ε</i>										Jan. 26	7.6	6	59	17.17	...	67	5	37.8	M
Jan. 18	...	6	53	21.59	...	118	47	31.5	M	31	7.7		59	17.17	...		5	38.5	M
19	...		53	21.62	...		47	30.2	M	Feb. 8	7.7		59	17.19	...		5	37.3	M
22	...		53	21.75	6		47	32.1	M	9	7.5		59	17.17	...		5	37.3	M
23	...		53	21.64	...		47	31.8	M	10	7.5		59	17.15	...		5	37.2	M
24	...		53	21.68	...		47	31.9	M	12	7.6		59	17.29	...		5	38.1	M
Feb. 3	...		53	21.61	...		47	29.9	M	309 <i>Anon.</i>									
5	...		53	21.73	...		47	28.1	M	Feb. 13	9.3	7	0	39.54	...	60	50	18.6	M
6	...		53	21.61	...		47	30.8	M	21	8.8		0	39.45	...		50	16.8	M
13	...		53	21.59	...		47	31.7	M	310 <i>Taylor 2851.</i>									
303 <i>Anon.</i>										Feb. 21	7.1	7	0	52.43	5	145	41	57.3	M
Feb. 8	8.0	6	53	31.20	...	129	47	42.6	M	Mar. 10	7.0		0	52.39	5		41	59.2	M
304 <i>Anon.</i>										311 <i>Anon.</i>									
Jan. 12	8.0	6	53	39.46	...	129	33	4.7	M	Feb. 15	8.9	7	1	18.93	...	61	4	19.5	M
Feb. 23	7.7		53	39.45	5		33	5.7	M	17	9.3		1	18.74	...		4	19.8	M
305 <i>Anon.</i>										23	9.5		1	18.66	5		4	19.7	M
Jan. 20	9.3	6	56	23.25	...	129	17	31.6	M	312 <i>R Canis Majoris Var. 1.</i>									
										Feb. 19	9.5	7	1	20.23	6	79	45	2.5	M
										20	9.5		1	20.23	...		45	3.7	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude	Mean Right Ascension 1866.			No. of Wires	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude	Mean Right Ascension 1866.			No. of Wires	Mean Polar Distance 1866.			Observer.
A.	m.	s.				°	'	"		A.	m.	s.				°	'	"	
313 W. B. E. VII. 1920.										322 55 Geminorum δ									
Feb. 26	8.2	7	1	34.32	...	79	41	37.0	n	Jan. 19	...	7	12	7.15	6	67	46	28.0	n
Mar. 1	8.3		1	34.43	...		41	42.2	n	29	...		12	7.11	...		46	27.6	n
										22	...		12	7.11	...		46	28.5	n
										31	...		12	7.05	...		46	28.5	n
314 Anon.										Feb. 7	...		12	7.14	...		46	29.0	m
Jan. 20	9.0	7	3	27.76	5	130	14	41.2	n	12	...		12	7.10	...		46	26.0	m
Feb. 5	8.5		3	27.70	...		11	39.9	m	15	...		12	7.06	...		46	29.0	m
										16	...		12	7.06	...		46	28.5	m
										17	...		12	7.02	...		46	29.1	n
										23	...		12	7.10	...		46	28.5	m
										26	...		12	6.98	...		46	26.2	m
315 Anon.										323 Anon.									
Feb. 9	9.4	7	5	46.24	...	69	53	47.4	m	Mar. 12	8.0	7	12	37.35	5	152	49	8.0	m
10	9.0		5	46.24	...		53	47.5	m	324 Anon.									
22	9.9		5	46.28	...		53	47.3	n	Jan. 16	9.5	7	13	5.35	...	129	16	15.2	n
										21	9.3		13	5.26	...		16	12.0	n
316 Anon.										325 Anon.									
Feb. 27	...	7	6	42.80	5	129	2	56.8	n	Jan. 12	8.0	7	14	33.86	...	133	49	49.4	m
										Feb. 24	7.7		14	33.99	4		49	47.4	m
317 Taylor 2923.										326 Lacaille 2805.									
Mar. 5	7.9	7	7	18.09	5	150	21	29.7	m	Feb. 27	8.0	7	17	22.55	...	133	8	18.2	n
										Mar. 5	7.9		17	22.60	...		8	18.4	m
318 Anon.										327 Anon.									
Jan. 26	9.1	7	8	57.54	5	130	17	31.8	n	Jan. 16	9.0	7	17	29.04	4	129	13	42.8	n
Mar. 1	9.0		8	57.63	5		17	31.1	n	20	9.0		17	29.03	...		13	41.2	n
										Feb. 21	8.3		17	29.06	...		13	39.6	n
319 Taylor 2940.										Mar. 8	8.1		17	29.02	...		13	40.4	m
Mar. 6	7.9	7	9	32.27	5	129	57	54.6	m	328 Anon.									
										Jan. 17	9.8	7	17	41.24	...	129	46	24.1	n
320 Anon.										Feb. 23	9.7		17	41.01	...		46	24.0	n
Jan. 26	9.6	7	9	50.57	4	130	18	44.9	n										
Mar. 1	9.8		9	50.31	5		18	45.6	n										
321 54 Geminorum λ																			
Jan. 29	...	7	10	23.44	...	73	13	16.1	n										

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
		A.	m.	s.		°	'	"				A.	m.	s.		°	'	"	
Feb. 5	...	7	32	17.07	...	84	26	4.5	M	Feb. 1	...	7	37	6.68	...	61	30	12.6	F
7	...		32	17.05	...		26	5.0	M	3	...		37	6.87	...		30	11.9	M
8	...		32	17.02	...		26	3.7	M	5	...		37	6.66	...		30	12.3	M
9	...		32	17.12	...		26	3.7	M	7	...		37	6.82	...		30	13.0	M
12	...		32	17.07	...		26	2.8	M	8	...		37	6.89	...		30	13.6	M
14	...		32	17.17	...		26	5.5	M	9	...		37	6.79	...		30	13.6	M
15	...		32	17.11	...		26	6.0	M	10	...		37	6.77	...		30	13.8	M
16	...		32	17.20	...		26	4.8	M	14	...		37	6.90	...		30	14.0	M
23	...		32	17.12	...		26	6.4	M	15	...		37	6.77	...		30	14.0	M
26	...		32	17.20	...		26	6.3	M	16	...		37	6.82	...		30	13.6	M
346 <i>S Geminorum</i> Var. 3.										19	...		37	6.82	6		30	13.3	M
Jan. 24	10.6	7	34	41.04	5	06	12	42.5	R	23	...		37	6.75	...		30	14.5	M
26	10.6		34	41.09	6		12	40.6	R	24	...		37	6.63	...		30	12.0	M
27	10.6		34	40.75	5		12	44.8	R	353 <i>Anon.</i>									
347 <i>Anon.</i>										Mar. 7	7.0	7	39	9.76	...	131	8	54.3	M
Jan. 16	8.9	7	35	10.67	...	129	58	7.7	R	8	7.0		39	9.67	...		8	54.6	M
18	9.0		35	10.90	5		58	7.9	R	10	7.0		39	9.61	5		8	53.6	M
348 <i>Anon.</i>										354 <i>Anon.</i>									
Feb. 13	9.9	7	35	17.13	4	06	16	13.8	R	Mar. 9	8.3	7	40	57.50	4	153	9	56.9	M
349 <i>Taylor</i> 3195.										14	8.6		40	57.47	...		9	58.7	M
Mar. 13	7.9	7	36	34.06	5	150	19	22.3	M	355 <i>T Geminorum</i> Var. 4.									
350 <i>Anon.</i>										Jan. 26	10.1	7	41	15.45	5	65	56	8.9	R
Mar. 5	7.7	7	36	34.82	...	123	55	28.1	M	27	10.0		41	15.23	...		56	8.4	R
6	8.0		36	34.76	5		55	29.3	M	30	9.9		41	15.35	...		56	9.0	R
351 <i>Anon.</i>										Feb. 17	9.6		41	15.38	...		56	8.8	R
Jan. 16	7.2	7	36	48.31	5	120	57	34.8	R	22	9.6		41	15.25	6		56	9.4	R
18	8.0		36	48.30	...		57	35.7	R	27	...		41	15.33	...		56	7.4	R
352 <i>78 Geminorum</i> β , <i>Pollux</i> .										356 <i>Anon.</i>									
Jan. 23	...	7	37	6.68	...	61	30	13.2	R	Mar. 12	7.6	7	41	34.99	...	144	18	59.0	M
29	...		37	6.76	...		30	11.4	R	357 <i>Lacaille</i> 3031.									
31	...		37	6.69	...		30	13.4	R	Jan. 17	7.2	7	45	7.88	5	144	22	46.4	R
353 <i>Anon.</i>										Mar. 6	6.9		45	7.98	5		22	45.1	M
Mar. 5	8.0	7	45	10.64	...	129	25	9.4	M	358 <i>Anon.</i>									
13	8.0		45	10.86	...		25	8.6	M										

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Number and Date.	Magnitude.	Mean Right Ascension. 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
		h.	m.	s.		°	'	"	
359 <i>U. Geminorum Var. 5.</i>									
Jan. 18	9.5	7	47	9.31	...	67	38	59.0	R
19	9.6		47	9.26	...		38	58.1	R
30	9.8		47	9.24	...		39	0.3	K
22	9.9		47	9.24	...		38	59.6	R
23	9.7		47	9.14	...		39	0.4	R
24	9.8		47	9.28	...		38	59.5	R
26	9.9		47	9.37	...		39	0.5	R
27	10.1		47	9.11	...		39	1.4	R
30	10.5		47	9.19	5		39	2.3	R
360 <i>Taylor 3310.</i>									
Feb. 21	...	7	43	35.01	5	149	18	11.2	R
28	7.7		43	35.03	5		18	9.6	R
361 <i>Anon.</i>									
Feb. 22	9.3	7	43	35.76	...	67	46	26.0	R
362 <i>Anon.</i>									
Mar. 1	8.4	7	49	3.28	5	130	26	22.6	R
363 <i>1 Cancri.</i>									
Dec. 22	...	7	49	22.74	...	73	51	17.5	R
364 <i>Anon.</i>									
Feb. 20	...	7	49	53.39	...	129	17	40.6	R
Mar. 7	8.1		49	53.67	...		17	41.6	M
365 <i>Anon.</i>									
Feb. 5	7.6	7	49	57.77	...	149	8	45.0	M
366 <i>Anon.</i>									
Feb. 24	7.7	7	50	9.24	...	129	34	44.5	M
367 <i>Taylor 3330.</i>									
Mar. 9	7.9	7	51	53.03	...	144	17	13.7	M
368 <i>Anon.</i>									
Mar. 10	8.0	7	52	3.00	5	145	22	42.8	M
12	8.1		52	2.98	5		22	44.5	M
369 <i>5 Cancri.</i>									
Dec. 22	...	7	53	51.90	5	73	10	43.6	R
370 <i>Taylor 3373.</i>									
Mar. 6	7.6	7	55	16.73	...	144	12	13.2	M
371 <i>6 Cancri.</i>									
Jan. 3	...	7	55	17.05	...	61	49	58.4	M
22	...		55	17.02	...		50	0.5	R
29	...		55	17.05	...		50	1.7	R
Feb. 1	...		55	17.13	...		49	59.7	P
7	...		55	17.00	...		50	0.4	M
8	...		55	17.13	...		50	1.1	M
9	...		55	17.09	...		49	59.5	M
10	...		55	17.08	...		50	0.9	M
12	...		55	17.20	...		49	58.0	M
17	...		55	17.02	...		50	1.7	R
19	...		55	17.05	4		50	0.2	R
21	...		55	16.99	...		50	0.6	R
22	...		55	16.91	...		50	0.3	R
28	...		55	17.06	...		50	1.3	R
Mar. 15	...		55	17.02	...		50	2.9	M
372 <i>Anon.</i>									
Mar. 14	7.9	7	55	24.41	...	128	30	33.0	M
373 <i>Brisbane 1855.</i>									
Mar. 5	6.7	7	55	29.99	5	152	56	7.1	M
13	6.9		55	30.13	...		56	6.8	M
374 <i>Anon.</i>									
Jan. 24	9.2	8	1	24.95	...	150	31	44.2	R
Mar. 10	8.6		1	24.64	...		31	42.9	M

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375 Lacaille 3174.						383 Anon.					
Mar. 7	7.2	8 1 27.12	...	155 33 16.8	m	Jan. 30	9.6	8 10 28.29	...	151 26 39.7	n
376 15 Argus.						384 Anon.					
Feb. 1	...	8 1 50.43	...	113 55 13.2	p	Mar. 17	9.9	8 10 35.50	4	77 38 8.3	n
13	...	1 50.33	...	55 13.1	n	385 Lalande 16224.					
17	...	1 50.41	...	55 13.9	n	Feb. 24	7.3	8 10 40.25	...	73 54 33.3	m
19	...	1 50.33	...	55 13.0	n	Mar. 9	7.0	10 40.37	...	54 30.6	m
21	...	1 50.25	...	55 12.1	n	10	6.8	10 40.29	...	54 34.5	m
22	...	1 50.23	...	55 11.6	n	386 Anon.					
23	...	1 50.24	...	55 13.9	m	Feb. 14	8.4	8 11 23.99	3	152 5 3.4	m
28	...	1 50.27	...	55 13.1	n	387 Anon.					
Mar. 1	...	1 50.42	...	55 13.1	n	Mar. 8	8.2	8 12 21.73	...	129 44 3.4	m
15	...	1 50.22	...	55 12.9	m	15	...	12 21.67	4	44 5.4	m
17	...	1 50.36	...	55 13.0	n	388 Anon.					
377 Anon.						Jan. 29	9.2	8 12 49.68	...	129 41 15.1	n
Mar. 16	9.5	8 2 7.91	...	113 47 9.2	n	Feb. 23	8.6	12 49.70	...	41 19.0	m
378 Anon.						Mar. 12	8.0	12 49.69	...	41 17.1	m
Mar. 9	7.9	8 2 16.18	5	129 39 45.2	m	13	8.0	12 49.72	...	41 16.4	m
12	8.2	2 16.20	..	39 46.7	m	19	9.0	12 49.81	5	41 18.3	n
379 16 Cancri 3						389 Anon.					
Feb. 26	...	8 4 31.41	..	71 57 3.5	n	Mar. 20	10.0	8 13 1.85	5	130 45 65.3	n
380 Anon.						390 Anon.					
Feb. 2	8.0	8 6 8.16	...	129 40 54.1	m	Mar. 6	7.7	8 14 53.58	...	142 17 18.4	m
Mar. 6	7.7	6 8.06	...	40 53.7	m	7	7.9	14 53.91	...	17 17.7	m
14	7.0	6 9.07	...	40 54.1	m	391 Lacaille 3297.					
381 Anon.						Feb. 15	8.0	8 15 2.81	4	153 59 13.7	m
Jan. 29	9.0	8 8 38.14	...	129 38 45.3	n	16	8.0	15 2.74	5	59 14.1	m
382 R Cancri Var. 1						Mar. 5	8.1	15 3.02	...	50 12.2	m
Jan. 24	7.3	8 9 10.47	4	77 51 51.3	m						
26	8.2	9 10.49	...	51 56.1	n						
27	8.3	9 10.40	..	51 55.2	n						

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires	Mean Polar Distance. 1866. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires	Mean Polar Distance 1866. ° ' "	Observer.
392	20 Cancri d¹					402	Taylor 3620				
Feb. 26	...	8 15 41.24	...	71 14 25.3	n	Feb. 6	8.0	8 23 14.28	...	130 49 11.7	m
393	Anon.					403	Anon.				
Feb. 28	9.0	8 17 26.09	...	141 16 16.2	n	Mar. 1	8.9	8 23 36.68	...	128 33 50.9	n
394	Anon.					404	Anon.				
Feb. 12	8.5	8 17 20.15	...	77 49 30.6	m	Mar. 8	9.0	8 24 51.70	...	73 46 43	m
Mar. 14	8.6	17 20.13	...	40 35.5	m						
395	Anon.					405	33 Cancri γ.				
Mar. 23	10.3	8 18 49.94	4	151 1 8.5	n	Feb. 9	...	8 24 57.30	...	60 6 24.7	m
396	Taylor 3599.					10	...	24 57.40	...	6 24.2	m
Feb. 7	7.8	8 20 19.92	...	144 53 9.1	m	17	...	24 57.39	...	6 23.1	n
8	7.7	20 19.74	...	53 10.6	m	19	...	24 57.24	...	6 24.2	n
Mar. 9	7.1	20 19.81	...	53 8.2	m	20	...	24 57.31	...	6 23.5	n
16	...	20 19.93	5	53 10.1	n	22	...	24 57.33	...	6 23.1	n
397	W. B. N. VIII. 459.					Mar. 5	...	24 57.27	...	6 20.4	m
Feb. 14	8.0	8 20 23.00	...	74 27 41.7	m	7	...	24 57.34	...	6 23.8	n
398	29 Cancri					17	...	24 57.30	...	6 24.3	n
Jan. 20	...	8 21 8.72	...	75 20 54.6	n	406	Taylor 3651.				
20	...	21 8.59	...	20 54.3	n	Mar. 6	7.6	8 25 44.01	...	130 3 45.2	m
399	Taylor 3607.					407	Taylor 3652.				
Mar. 10	6.9	8 21 15.48	...	144 55 45.5	m	Mar. 13	7.9	8 25 45.28	...	130 3 2.6	m
16	..	21 15.33	4	55 46.4	n	408	Lacaille 3393.				
400	Anon.					Mar. 20	8.7	8 25 50.32	8.7	149 40 35.8	n
Feb. 2	9.0	8 21 31.41	5	131 41 59.6	m	409	W. B. N. VIII. 635.				
401	Anon.					Mar. 12	8.4	8 27 45.63	...	73 45 42.5	m
Mar. 19	...	8 23 14.60	...	73 25 49.0	n	14	8.6	27 45.64	...	48 45.3	m
21	9.3	23 14.55	...	25 48.9	n	410	Taylor.				
						Feb. 12	7.1	8 28 36.62	...	74 13 30.3	m
						Mar. 15	7.0	28 36.06	...	13 31.7	m

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Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires.	Mean Polar Distance 1866.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires.	Mean Polar Distance 1866.	Observer.
430	<i>Lacaille 3573.</i>					438	<i>Anon.</i>				
Feb. 2	9.0	8 44 13.34	5	152 41 54.6	M	Mar. 24	8.0	8 49 17.87	...	132 54 49.1	M
6	7.7	44 14.98	...	41 52.3	M	27	8.5	49 17.81	...	54 47.6	M
8	7.7	44 15.25	...	41 51.1	M						
431	<i>S Hydrae Var. 3.</i>					439	<i>9 Ursae Majoris α.</i>				
Feb. 23	8.2	8 46 34.60	6	56 25 40.7	M	Feb. 1	...	8 50 1.21	...	41 26 6.4	M
Mar. 9	8.0	46 34.47	...	25 40.1	M						
19	7.6	46 34.46	...	25 41.7	M						
16	8.1	46 34.63	...	25 41.0	M						
19	8.0	46 34.62	...	25 40.4	M						
432	<i>Anon.</i>					440	<i>Anon.</i>				
Mar. 20	9.6	8 46 43.43	...	132 53 42.3	M	Mar. 12	8.2	8 50 12.60	5	132 57 23.9	M
433	<i>R. P. L. 60.</i>										
Mar. 8	...	8 46 50.33	3	5 17 22.6	M						
434	<i>Anon.</i>					441	<i>65 Cancri α.</i>				
Mar. 5	7.9	8 46 59.89	...	136 6 27.3	M	Jan. 3	...	8 51 9.32	...	77 37 83.2	M
Apl. 5	9.1	47 0.00	4	6 28.9	M	Feb. 26	...	51 9.33	6	37 34.4	M
						27	...	51 9.30	4	37 37.4	M
						Mar. 26	...	51 9.40	...	37 36.3	M
435	<i>Anon.</i>					442	<i>Anon.</i>				
Mar. 24	9.0	8 47 44.25	5	132 56 21.8	M	Mar. 27	9.2	8 54 5.95	6	132 54 10.5	M
Apl. 6	9.3	47 44.20	5	56 21.0	M						
436	<i>T Cancri Var. 3.</i>					443	<i>Anon.</i>				
Feb. 22	9.0	8 49 0.60	...	60 33 26.2	M	Mar. 15	8.7	8 54 24.53	5	130 35 21.7	M
Mar. 13	8.9	49 0.73	...	38 27.7	M						
22	...	49 0.67	...	38 29.0	M						
23	8.3	49 0.73	...	38 27.7	M						
437	<i>T Hydrae Var. 4.</i>					444	<i>Anon.</i>				
Feb. 13	8.0	8 49 5.64	5	94 37 35.3	M	Mar. 7	8.8	8 54 51.53	...	130 35 56.3	M
15	7.7	49 5.62	...	37 50.0	M	10	8.1	54 51.60	...	35 56.4	M
20	8.3	49 5.60	...	37 51.7	M						
23	7.6	49 5.60	5	37 50.3	M						
24	7.7	49 5.39	3	37 51.6	M						
Mar. 6	8.3	49 5.33	...	37 53.9	M	445	<i>Anon.</i>				
14	9.0	49 5.63	4	37 57.4	M	Feb. 20	8.0	8 55 1.63	4	143 49 24.6	M
						446	<i>Anon.</i>				
						Feb. 28	8.3	8 56 40.61	5	146 48 30.2	M
						447	<i>Anon.</i>				
						Feb. 5	9.3	8 56 47.53	...	129 48 40.9	M

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465	<i>Argus.</i>								
Mar. 13	...	0	13	30.12	...	143	43	54.0	M
19	...	13	30.23	...	...	43	53.4	M	
466	<i>Anon.</i>								
Mar. 21	9.0	0	15	19.26	...	143	40	11.5	M
Apl. 5	7.9	15	19.33	...	...	40	10.7	M	
7	7.9	15	19.36	...	...	40	13.4	M	
467	<i>Anon.</i>								
Mar. 20	9.3	9	16	10.26	...	140	8	5.0	M
23	9.3	16	10.33	5	...	8	4.8	M	
Apl. 6	8.0	16	10.03	5	...	8	5.3	M	
468	<i>Anon.</i>								
Feb. 29	9.3	9	17	39.30	...	75	5	59.2	M
Mar. 26	...	17	39.17	5	...	6	0.9	M	
469	<i>Anon.</i>								
Feb. 19	7.0	0	19	35.60	4	75	7	3.5	M
23	6.9	19	35.70	...	...	7	3.5	M	
470	<i>Anon.</i>								
Mar. 17	9.3	0	20	28.95	...	137	23	27.7	M
19	9.0	20	28.86	...	...	23	27.5	M	
471	<i>Anon.</i>								
Mar. 24	9.3	0	20	53.20	...	153	33	45.1	M
472	<i>30 Hydrae α, Var. 2.</i>								
Feb. 1	...	9	31	0.01	...	28	4	47.6	M
2	...	31	0.00	...	...	4	48.4	M	
10	...	31	0.06	...	...	4	46.3	M	
20	...	31	0.12	...	...	4	46.3	M	
24	...	31	0.14	...	...	4	45.6	M	
Mar. 5	...	31	0.19	...	...	4	44.7	M	
6	...	31	0.17	...	...	4	46.4	M	
7	...	31	0.06	...	...	4	46.0	M	
13	...	31	0.03	...	...	4	47.7	M	
Mar. 13	...	0	21	0.27	...	98	4	45.5	M
14	...	21	0.02	...	...	4	47.4	M	
15	...	21	0.14	...	...	4	47.1	M	
27	...	21	0.15	...	...	4	47.6	M	
Apl. 9	...	21	0.07	...	...	4	47.2	M	
473	<i>25 Ursae Majoris δ</i>								
Mar. 22	...	0	23	52.50	5	37	42	55.8	M
23	...	23	52.65	...	...	42	55.0	M	
474	<i>Anon.</i>								
Apl. 6	9.5	9	24	22.02	4	153	41	16.9	M
475	<i>Anon.</i>								
Mar. 26	...	9	24	37.75	...	130	26	44.0	M
476	<i>6 Leonis h</i>								
Jan. 30	...	9	24	46.51	...	79	41	42.8	M
31	...	24	46.48	6	...	41	42.6	M	
477	<i>Anon.</i>								
Mar. 9	8.0	9	26	59.21	...	144	53	40.4	M
478	<i>Taylor 4222.</i>								
Mar. 6	7.3	9	27	48.34	...	146	23	51.9	M
8	7.3	27	48.39	...	...	23	52.7	M	
479	<i>Anon.</i>								
Feb. 27	9.6	9	28	3.38	5	125	46	24.1	M
28	9.0	28	3.31	5	...	46	24.2	M	
Mar. 16	9.0	28	3.56	5	...	46	24.9	M	
19	8.3	28	3.43	5	...	46	25.6	M	
20	9.0	28	3.35	5	...	46	25.1	M	
480	<i>Anon.</i>								
Apl. 7	7.9	9	28	31.74	...	144	0	13.5	M

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"			
481 <i>Anon.</i>																					
Feb. 27	9.0	9	39	59.57	4	128	47	27.2	n	Feb. 17	8.0	9	37	31.79	...	54	52	29.1	n		
Mar. 16	9.3	9	38	59.84	6		47	28.6	n	23	7.3		37	31.61	...		52	29.0	n		
482 <i>Anon.</i>																					
Mar. 27	9.0	9	29	6.06	...	128	50	6.1	n	27	...		37	31.74	5		52	29.5	n		
493 <i>Anon.</i>																					
Mar. 7	9.1	9	29	36.38	5	146	31	6.8	n	28	8.0		37	31.68	...		52	28.5	n		
Apl. 3	9.4		29	36.24	4		34	7.5	n	Mar. 8	7.6		37	31.55	...		52	27.4	n		
484 <i>Taylor 4259.</i>																					
Feb. 10	5.9	9	32	2.04	...	138	45	21.6	n	6	7.7		37	31.84	...		52	28.6	n		
Mar. 13	5.5		32	1.90	...		45	22.5	n	7	7.5		37	31.79	...		52	27.9	n		
Apl. 4	5.7		32	1.99	...		45	18.6	n	492 <i>17 Leonis c</i>											
485 <i>Anon.</i>																					
Feb. 20	9.0	9	32	32.48	...	129	51	24.3	n	Feb. 1	...	9	38	14.15	...	65	36	39.6	n		
486 <i>R. P. L. 69—s.p.</i>																					
Sep. 19	...	9	33	30.18	1		2	47	22.1	n	2	...		38	14.39	...		36	41.3	n	
487 <i>14 Leonis o</i>																					
Jan. 30	...	9	33	59.79	...	79	30	1.1	n	20	...		38	14.31	4		36	39.6	n		
Mar. 26	...		33	59.91	...		30	0.0	n	Mar. 2	...		38	14.33	...		36	43.0	n		
27	...		33	59.85	5		29	59.9	n	9	...		39	14.36	...		36	39.1	n		
488 <i>Anon.</i>																					
Apl. 12	8.8	9	35	37.75	...	151	56	52.9	n	10	...		38	14.36	...		36	40.9	n		
489 <i>Anon.</i>																					
Apl. 10	8.2	9	35	53.07	...	148	40	40.2	n	19	...		38	14.51	4		36	42.7	n		
11	8.0		35	53.26	...		40	38.3	n	22	...		39	14.33	...		36	42.3	n		
490 <i>Anon.</i>																					
Apl. 6	8.5	9	36	52.29	...	151	51	22.2	n	23	...		39	14.40	...		36	42.0	n		
491 <i>R Leonis Minoris Var. 1.</i>																					
493 <i>B. F. 1383.</i>																					
Apl. 9	...	9	39	5.70	...		82	40	32.9	n	494 <i>18 Leonis.</i>										
494 <i>18 Leonis.</i>																					
Mar. 26	...	9	39	10.11	...		77	34	29.1	n	Mar. 26	...	9	39	10.11	...		77	34	29.1	n
27	...		39	10.08	...		34	29.0	n	27	...		39	10.08	...		34	29.0	n		
495 <i>l Carinae Var. 1.</i>																					
Apl. 6	5.7	9	41	34.09	...	151	53	28.7	n	496 <i>Anon.</i>											
496 <i>Anon.</i>																					
Apl. 4	8.0	9	41	34.56	5	130	46	22.2	n	Apl. 4	8.0	9	41	34.56	5	130	46	22.2	n		
5	8.0		41	34.59	5		46	24.2	n	5	8.0		41	34.59	5		46	24.2	n		
7	8.0		41	34.75	5		46	23.8	n	7	8.0		41	34.75	5		46	23.8	n		
13	8.0		41	34.74	...		46	24.3	n	13	8.0		41	34.74	...		46	24.3	n		
497 <i>Anon.</i>																					
Mar. 8	8.0	9	41	9.49	...	147	2	19.3	n	Mar. 8	8.0	9	41	9.49	...	147	2	19.3	n		
9	8.0		41	9.49	5		2	9.4	n	9	8.0		41	9.49	5		2	9.4	n		

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Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
498 Anon.										505 Anon.									
Mar. 2	9.2	9	46	0.78	...	129	3	25.9	n	Mar. 24	9.3	9	53	56.89	5	152	7	23.1	n
499 Anon.										Apl. 6 9.0 53 56.74 ... 7 22.0 n									
Feb. 20 9.4 9 46 31.72 5 129 7 29.2 n										506 Anon.									
500 R. P. L. 70.										Feb. 14 8.0 9 54 13.11 ... 143 53 50.5 n									
Mar. 23 ... 9 46 40.20 3 5 26 25.3 n										Mar. 3 8.0 54 13.09 ... 53 50.1 n									
501 Anon.										Apl. 5 8.1 54 13.06 ... 53 49.3 n									
Apl. 7 9.5 9 43 37.11 4 152 8 16.0 m										507 Taylor 4445.									
502 W. B. E. IX. 1057.										Apl. 10 7.9 9 54 47.21 ... 147 29 13.7 n									
Jan. 31 7.8 9 49 51.01 ... 85 7 17.3 n										508 Anon.									
Feb. 10 7.4 49 51.05 ... 7 16.0 m										Apl. 13 8.0 9 55 56.17 .. 147 24 50.3 n									
Mar. 23 7.3 49 50.95 ... 7 19.2 n										509 Anon.									
503 Anon.										Mar. 21 9.3 9 56 8.55 ... 129 57 59.8 n									
Mar. 26 9.2 9 50 51.52 5 145 39 49.8 n										510 Anon.									
Apl. 14 8.9 50 51.57 ... 39 40.3 m										Mar. 17 9.5 9 57 12.30 ... 129 57 13.0 n									
23 7.9 50 51.53 ... 39 46.1 m										21 9.0 57 12.37 4 57 14.7 n									
504 29 Leonis π.										511 Taylor 4476.									
Jan. 3 ... 9 53 7.75 ... 81 18 51.3 n										Mar. 23 8.8 9 57 53.63 ... 145 36 23.5 n									
Feb. 1 ... 53 7.72 ... 18 53.2 m										512 Anon.									
20 ... 53 7.79 ... 18 50.7 n										Apl. 18 9.2 9 58 17.54 5 143 54 41.5 n									
27 ... 53 7.95 ... 18 52.7 n										513 Taylor 4484.									
28 ... 53 7.80 ... 18 53.6 n										Apl. 12 7.4 9 58 41.41 ... 151 30 33.5 m									
Mar. 1 ... 53 7.79 ... 18 53.8 n										514 32 Leonis α, Regulus.									
5 ... 53 7.81 ... 18 52.5 m										Jan. 3 ... 10 1 14.02 ... 77 22 45.4 n									
6 ... 53 7.68 ... 18 54.4 m										Feb. 1 ... 1 13.88 ... 22 46.3 n									
7 ... 53 7.74 ... 18 54.3 m										27 ... 1 14.07 5 22 46.2 n									
8 ... 53 7.83 ... 18 51.3 m										28 ... 1 13.94 ... 22 46.9 n									
9 ... 53 7.84 ... 18 52.6 m																			
10 ... 53 7.81 ... 18 52.0 m																			
13 ... 53 7.74 ... 18 53.2 m																			
14 ... 53 7.85 ... 18 54.3 m																			
Apl. 9 ... 53 7.94 ... 18 51.6 m																			

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Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
531 <i>Anon.</i>																			
Apl. 18	9.5	10	13	49.75	...	146	9	4.4	n	Apl. 6	9.2	10	26	34.02	5	152	36	22.7	n
532 <i>Anon.</i>																			
Mar. 21	8.8	10	21	56.80	...	146	55	30.5	n	7	8.9	26	34.07	5		36	23.4	n	
Apl. 13	7.0		21	57.00	...		55	30.7	n	21	9.3	26	33.98	5		36	23.6	n	
16	7.8		21	56.81	5		55	31.7	n										
533 <i>Anon.</i>																			
Mar. 2	9.5	10	22	0.54	...	146	59	37.0	n	540 <i>p Carinae.</i>									
Apl. 11	9.2		22	0.57	...		59	35.5	n	Apl. 9	5.0	10	27	15.82	...	150	50	50.6	n
17	9.5		22	0.22	5		59	38.5	n	541 <i>Anon.</i>									
534 <i>Anon.</i>																			
Apl. 19	10.2	10	23	28.48	...	76	5	55.5	n	Apl. 17	9.7	10	29	9.13	4	150	50	32.6	n
535 <i>Anon.</i>																			
Mar. 9	8.4	10	24	9.95	...	146	55	43.1	n	18	9.5	28	8.28	...		50	32.0	n	
Apl. 13	8.4		24	10.11	4		55	42.7	n	542 <i>Anon.</i>									
14	8.4		24	10.17	...		55	40.6	n	Apl. 19	10.1	10	29	16.79	5	147	55	12.9	n
536 <i>Anon.</i>																			
Apl. 23	8.5	10	24	29.95	5	146	59	31.0	n	543 <i>Taylor 4769.</i>									
537 <i>Anon.</i>																			
Mar. 21	9.3	10	25	41.59	...	145	54	45.6	n	Mar. 2	5.5	10	30	29.91	...	146	51	52.5	n
Apl. 10	8.4		25	41.72	...		54	43.3	n	544 <i>Anon.</i>									
12	9.0		25	41.73	...		54	43.0	n	Apl. 17	9.5	10	31	57.27	4	139	17	15.6	n
16	8.5		25	41.64	5		54	45.3	n	545 <i>Anon.</i>									
538 <i>47 Leonis p</i>																			
Jan. 31	...	10	25	45.26	...	50	0	17.7	n	Apl. 5	8.0	10	33	7.52	...	149	6	17.0	n
Mar. 8	...		25	45.15	...		0	19.3	n	23	..	35	7.60	5		6	17.1	n	
12	...		25	45.30	...		0	18.0	n	546 <i>Taylor 4824.</i>									
23	...		25	45.28	...		0	19.1	n	Apl. 4	8.3	10	36	10.72	...	145	58	37.9	n
24	...		25	45.19	3		0	19.1	n	6	6.9	36	10.68	4		58	40.2	n	
Apl. 4	...		25	45.13	...		0	18.7	n	9	7.6	36	10.79	...		58	40.6	n	
547 <i>Anon.</i>																			
Apl. 18	9.0	10	37	34.09	...	151	29	57.5	n	12	7.7	36	10.90	4		58	37.4	n	
21	9.0		37	34.17	3				n	24	7.4	36	10.67	...		58	35.8	n	

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Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
548	<i>Taylor 4849.</i>																		
Mar. 2	8.0	10	38	44.15	...	149	24	54.7	n	Apl. 5	7.9	10	45	9.32	...	141	45	43.9	m
Apl. 13	6.3		38	44.21	5		24	56.0	m	17	8.0		45	9.18	...		45	43.5	n
14	6.7		38	44.38	...		24	53.7	m	27	7.0		45	9.04	5		45	42.3	n
549	<i>Anon.</i>																		
Apl. 11	9.0	10	39	33.76	...	148	51	40.1	m	559	<i>Lacaille 4502.</i>								
										Apl. 9	7.8	10	46	35.17	...	141	5	23.4	m
										23	7.0		46	35.34	...		5	23.3	m
550	<i>γ Argus Var. 1.</i>																		
Mar. 23	...	10	39	52.22	...	148	58	53.0	n	560	<i>Taylor 4915.</i>								
										Apl. 12	8.0	10	46	37.78	...	135	30	19.5	m
										28	8.0		46	37.75	...		30	23.8	n
551	<i>Anon.</i>																		
Apl. 10	9.0	10	41	2.31	4	137	1	36.0	m	561	<i>Anon.</i>								
										Mar. 20	9.4	10	48	4.57	...	129	29	51.3	n
										Apl. 19	9.5		48	4.27	...		29	51.0	n
552	<i>Anon.</i>																		
Mar. 3	9.5	10	42	0.39	...	149	23	29.0	n	562	<i>Anon.</i>								
Apl. 7	8.0		42	0.18	...		23	31.3	m	Apl. 5	8.2	10	48	21.28	...	141	45	31.0	m
553	<i>53 Leonis l</i>																		
Feb. 1	...	10	42	12.64	...	78	44	49.5	n	563	<i>Taylor 4945.</i>								
Mar. 13	...		42	12.78	...		44	49.3	m	Apl. 13	7.0	10	49	0.94	...	144	54	21.5	m
24	...		42	12.70	...		44	49.1	n	14	7.0		49	0.91	...		54	19.9	m
Apl. 12	...		42	12.73	...		44	48.2	n	564	<i>Taylor 4955.</i>								
										Apl. 7	7.0	10	50	45.89	5	147	20	16.5	m
554	<i>Anon.</i>																		
Apl. 16	9.5	10	42	28.85	...	75	5	29.1	n	565	<i>Anon.</i>								
										Apl. 13	9.3	10	52	0.49	6	143	46	7.7	m
555	<i>Anon.</i>																		
Apl. 29	9.0	10	42	41.45	...	111	5	1.4	n	566	<i>59 Leonis c</i>								
										Feb. 23	...	10	53	47.98	...	53	10	47.7	n
										Mar. 1	...		53	48.00	...		10	48.9	n
556	<i>Taylor 4886.</i>																		
Apl. 10	6.9	10	42	52.76	5	137	2	35.3	m	567	<i>Anon.</i>								
										Apl. 16	8.8	10	53	52.71	...	135	32	29.1	n
										27	8.0		53	52.63	...		32	26.3	n
										28	8.9		53	52.69	...		32	26.3	n

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Number and Date.	Magnitude.	Mean Right Ascension, 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.
568 <i>50 Ursae Majoris α, Dubhe.</i>						576 <i>Anon.</i>					
Apl. 24	..	10 55 20.06	...	27 31 38.0	x	May. 4	8.3	11° 1 6.68	...	133 34 12.4	x
569 <i>Anon.</i>						577 <i>67 Leonis.</i>					
Apl. 11	9.1	10 55 42.81	...	149 17 23.4	x	Apl. 21	6.0	11 1 37.21	...	64 37 5.6	x
23	8.2	55 42.85	...	17 23.4	x	578 <i>Lalande 21371.</i>					
570 <i>Anon.</i>						Apl. 27	7.8	11 3 36.68	...	77 58 18.0	x
Apl. 13	9.0	10 57 4.66	...	145 33 5.9	x	579 <i>Lalande 21416.</i>					
571 <i>Anon.</i>						Mar. 3	8.2	11 5 5.02	...	67 13 1.8	x
Apl. 17	9.3	10 57 6.95	...	145 36 20.4	x	580 <i>Anon.</i>					
572 <i>Lacaille 4576.</i>						Apl. 17	10.3	11 5 47.33	4	83 51 4.8	x
May 3	7.7	10 57 54.24	...	129 35 8.3	x	581 <i>Anon.</i>					
11	7.9	57 54.41	5	35 12.8	x	Mar. 12	8.4	11 5 54.51	...	148 50 22.6	x
573 <i>63 Leonis χ</i>						582 <i>68 Leonis ε.</i>					
Feb. 28	...	10 58 6.32	5	81 50 27.6	x	Mar. 23	...	11 6 58.65	...	68 44 35.7	x
Mar. 16	...	58 6.17	...	50 28.7	x	24	...	6 58.63	...	44 35.8	x
17	...	58 6.16	...	50 28.8	x	Apl. 7	...	6 58.67	...	44 36.0	x
21	...	58 6.18	...	50 27.7	x	10	...	6 58.69	...	44 36.2	x
23	...	58 6.25	...	50 24.4	x	11	...	6 58.60	...	44 36.6	x
24	...	58 6.20	...	50 25.1	x	12	...	6 58.42	...	44 32.3	x
26	...	58 6.19	...	50 28.7	x	14	...	6 58.53	...	44 36.0	x
Apl. 19	...	58 6.20	...	50 24.8	x	583 <i>Anon.</i>					
574 <i>Anon.</i>						Apl. 21	8.0	11 7 12.22	5	145 40 55.0	x
Apl. 18	8.6	10 58 17.03	5	140 50 54.9	x	28	7.0	7 12.50	...	40 55.3	x
May 9	9.0	58 17.48	6	50 50.0	x	584 <i>Anon.</i>					
10	8.6	58 17.32	5	50 52.4	x	Apl. 18	5.9	11 5 38.63	...	150 81 29.0	x
575 <i>Lacaille 4595.</i>						585 <i>Anon.</i>					
Apl. 9	8.1	10 59 26.28	5	148 50 30.0	x	Apl. 21	9.3	11 9 33.98	...	145 55 53.7	x
10	9.0	59 27.05	...	50 27.6	x						
14	8.0	59 27.25	6	50 28.1	x						

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586 <i>74 Leonis ϕ</i>						594 <i>84 Leonis γ</i>					
Mar. 28	...	11 9 50.98	...	92 55 13.1	n	Feb. 1	...	11 21 2.82	5	86 24 22.8	n
587 <i>Anon.</i>						595 <i>Anon.</i>					
May 3	8.0	11 11 13.76	...	127 38 57.6	m	Mar. 23	9.8	11 21 48.06	5	128 23 27.1	n
588 <i>12 Crateris δ</i>						596 <i>Taylor 5245—2nd.</i>					
Mar. 16	...	11 12 38.64	...	104 3 16.2	n	Apl. 18	8.3	11 22 8.38	...	131 56 26.9	n
21	...	12 38.53	...	3 14.5	n	21	8.5	22 8.39	...	56 26.6	n
22	...	12 38.60	...	3 14.3	n	597 <i>Anon.</i>					
26	...	12 38.60	5	3 14.1	n	Mar. 16	8.0	11 22 29.33	6	129 4 56.5	n
Apl. 6	...	12 38.59	...	3 13.5	m	598 <i>Anon.</i>					
11	...	12 38.68	...	3 12.1	m	Apl. 28	8.9	11 22 53.83	...	145 54 23.2	n
13	...	12 38.55	...	3 14.4	n	599 <i>Anon.</i>					
14	...	12 38.56	...	3 11.7	m	May 3	9.6	11 23 29.47	6	23 21 52.2	m
16	...	12 38.64	...	3 14.1	n	600 <i>Anon.</i>					
19	...	12 38.49	...	3 13.6	n	Apl. 16	9.0	11 24 40.63	...	146 9 38.0	n
21	...	12 38.51	...	3 13.7	n	601 <i>Anon.</i>					
589 <i>Anon.</i>						Mar 6	9.3	11 24 40.91	...	84 43 3.4	m
Apl. 27	8.3	11 12 54.23	...	129 32 47.0	n	602 <i>Anon.</i>					
May 4	7.7	12 54.20	...	32 43.9	m	Apl. 27	9.4	11 25 53.40	...	128 23 25.6	n
590 <i>Anon.</i>						603 <i>Anon.</i>					
Mar. 23	8.0	11 15 55.65	...	128 22 15.7	n	May 8	8.8	11 26 20.89	6	143 51 55.5	n
Apl. 17	7.5	15 55.42	...	22 15.9	n	604 <i>Anon.</i>					
28	7.8	15 55.65	...	22 15.6	n	Apl. 27	9.0	11 26 25.63	...	128 20 47.5	n
591 <i>Lacaille 4726.</i>						28	9.6	27 25.74	...	30 47.7	n
Apl. 23	7.0	11 16 10.78	...	145 52 10.0	n						
592 <i>Taylor 5220.</i>											
Mar. 3	7.8	11 19 6.10	3	131 56 10.5	m						
593 <i>Anon.</i>											
Apl. 27	7.8	11 19 30.67	...	129 31 38.2	n						

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		h. m. s.		° ' "				h. m. s.		° ' "	
605 <i>λ Centauri.</i>						613 <i>Anon.</i>					
Feb. 1	5.0	11 29 37.20	...	152 16 45.4	n	Apl. 16	9.3	11 36 9.02	...	139 40 56.2	n
Apl. 24	5.0	29 37.06	...	16 40.8	n	18	9.0	36 3.84	...	40 57.1	n
May 4	5.8	29 37.08	...	16 41.4	n	614 <i>Taylor 5384.</i>					
606 <i>Anon.</i>						Apl. 24	6.0	11 37 8.33	...	151 44 44.0	n
Apl. 9	7.9	11 29 56.62	5	149 16 22.7	n	615 <i>Anon.</i>					
607 <i>91 Leonis v</i>						Apl. 27	8.9	11 38 48.00	...	129 34 43.1	n
Mar. 1	...	11 30 5.19	...	90 5 5.6	R	616 <i>Anon.</i>					
2	...	30 5.25	...	5 5.0	R	Mar. 20	9.5	11 41 2.81	5	149 52 44.0	n
20	...	30 5.34	...	5 4.7	R	617 <i>Anon.</i>					
23	...	30 5.38	...	5 5.7	n	Mar. 2	9.2	11 41 14.88	...	126 31 5.5	n
Apl. 6	...	30 5.32	...	5 3.5	n	618 <i>94 Leonis β</i>					
7	...	30 5.24	...	5 5.2	n	Mar. 3	...	11 42 13.38	...	74 40 44.5	n
13	...	30 5.36	...	5 4.6	n	Apl. 5	...	42 13.29	...	40 48.2	n
18	...	30 5.19	...	5 4.4	R	6	...	42 13.35	...	40 48.3	n
21	...	30 5.21	...	5 4.4	n	7	...	42 13.37	...	40 46.4	n
23	...	30 5.32	...	5 3.5	n	10	...	42 13.31	...	40 46.9	n
608 <i>Anon.</i>						11	...	42 13.18	...	40 46.3	n
May 10	9.3	11 32 14.96	6	144 15 11.4	n	18	...	42 13.45	...	40 45.8	n
609 <i>Anon.</i>						20	...	42 13.25	...	40 46.0	n
May 11	8.2	11 33 13.21	...	144 15 15.7	n	31	...	42 13.36	...	40 47.7	n
610 <i>W. B. E. XI. 571.</i>						619 <i>Taylor 5421.</i>					
Feb. 2	7.9	11 33 32.07	...	88 18 30.7	n	Mar. 24	8.0	11 43 16.96	...	129 31 56.0	n
Mar. 17	8.0	33 31.78	...	18 22.5	n	Apl. 27	7.5	43 16.92	...	31 54.1	n
19	8.0	33 31.80	...	18 22.2	n	May 4	7.7	43 16.95	...	31 51.9	n
611 <i>Anon.</i>						620 <i>5 Virginis α</i>					
Apl. 29	8.0	11 34 3.32	...	127 49 50.4	n	Mar. 1	...	11 43 42.95	...	87 29 52.6	n
612 <i>Anon.</i>						621 <i>Taylor 5427.</i>					
May 3	8.6	11 34 26.14	...	141 21 21.9	n	Feb. 2	6.0	11 41 11.33	...	91 35 20.9	n

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.
622	<i>Taylor 5433.</i>					631	<i>R. P. L 89.</i>				
Mar. 24	8.2	11 44 57.38	6	129 33 41.7	n	Apl. 23	...	11 57 57.35	5	3 40 17.3	n
623	<i>Groombridge 1830.</i>					May 3	...	57 57.61	3	40 15.0	m
Mar. 22	8.4	11 45 14.86	...	51 19 18.2	n	4	...	57 59.41	3	40 15.3	m
May 3	7.2	45 14.75	...	19 16.6	m	13	...	57 57.23	2	40 16.3	m
7	7.0	45 14.76	...	19 15.4	m						
624	<i>64 Ursae Majoris γ</i>					632	<i>Anon.</i>				
Apl. 12	...	11 46 46.81	...	35 33 37.7	m	Apl. 14	8.0	11 59 7.57	...	128 28 20.7	m
625	<i>Lacaille 4937.</i>					633	<i>Anon.</i>				
Mar. 23	7.7	11 48 21.24	...	152 32 2.1	n	Mar. 27	9.5	11 59 37.59	6	150 20 16.7	n
Apl. 13	7.0	48 21.38	...	32 3.9	m	Apl. 28	9.0	59 37.66	...	20 17.4	n
May 10	7.0	48 21.45	...	32 0.4	m	May 9	9.5	59 37.52	...	20 13.7	m
626	<i>Lacaille 4946.</i>					634	<i>Anon.</i>				
Apl. 24	...	11 50 15.62	5	152 30 10.3	m	May 5	...	11 59 50.64	...	146 16 51.8	m
May 5	...	50 15.76	4	30 14.2	m	15	8.0	59 50.63	6	16 51.7	m
10	8.0	50 15.98	3	30 12.5	m						
11	8.3	50 15.83	6	30 14.1	m						
14	8.0	50 15.83	...	30 14.3	m						
627	<i>Anon.</i>					635	<i>Anon.</i>				
Apl. 10	7.9	11 50 43.09	...	150 22 39.0	m	Apl. 9	8.2	12 1 13.94	...	150 22 9.4	m
11	7.9	50 43.18	...	22 38.1	m						
628	<i>Lacaille 4956.</i>					636	<i>Anon.</i>				
Apl. 9	8.1	11 51 15.99	...	154 34 38.0	m	May 14	9.4	12 1 43.43	4	150 2 16.6	m
629	<i>Anon.</i>					637	<i>Lacaille 5041.</i>				
Apl. 27	9.5	11 52 45.35	4	154 38 59.3	n	May 11	7.9	12 2 30.11	...	141 28 54.2	m
28	9.8	52 45.47	...	38 57.8	n						
630	<i>Taylor 5534.</i>					638	<i>10 Virginis.</i>				
Mar. 24	...	11 56 55.62	...	143 58 1.5	n	Feb. 2	6.0	12 2 49.38	...	87 50 59.6	m
						Mar. 30	...	2 49.26	...	21 1.5	m

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1861.			No of Wires	Mean Polar Distance 1866.			Observer.
		h.	m.	s.		°	'	"	
655 <i>9 Corvi β</i>									
Apl. 5	...	12	27	21.24	...	112	30	19.3	M
17	...		27	21.07	...		30	20.8	R
21	...		27	21.04	...		30	20.7	R
23	...		27	21.19	...		30	19.0	M
May 5	...		27	21.15	...		30	19.4	M
19	...		27	21.21	...		30	18.8	R
21	...		27	21.13	...		30	19.6	R
25	...		27	21.17	...		30	20.6	R
656 <i>Anon.</i>									
May 10	8.4	12	27	55.70	...	141	40	33.6	M
657 <i>25 Virginis f</i>									
Apl. 27	...	12	29	53.47	...	95	5	34.3	R
658 <i>Anon.</i>									
May 4	8.8	12	30	57.33	...	142	20	19.5	M
659 <i>R Virginis Var. 2.</i>									
May 8	7.5	12	31	42.04	...	82	16	28.5	M
660 <i>Taylor 5830.</i>									
May 15	7.0	12	31	33.57	...	144	1	33.3	M
661 <i>29 Virginis γ¹</i>									
Mar. 2	...	12	34	52.29	...	99	42	50.5	R
31	...		34	52.25	...		42	49.6	R
Apl. 27	...		34	52.19	...		42	49.6	R
May 18	...		34	52.31	...		42	47.5	R
662 <i>S Ursae Majoris Var. 2.</i>									
May 26	9.7	12	38	3.87	4	23	10	21.3	R
663 <i>Taylor 5863.</i>									
Apl. 12	7.7	12	38	28.06	...	143	53	42.3	M
May 10	6.9		38	28.35	...		52	42.4	M
21	8.0		38	28.36			52	43.3	R
23	7.4		38	28.53	5		52	43.1	R
664 <i>Anon.</i>									
May 22	9.0	12	39	32.37	4	143	50	58.3	R
665 <i>Anon.</i>									
May 16	8.0	12	42	31.26	...	147	19	23.3	R
28	9.5		42	31.37	...		19	23.1	R
666 <i>Anon.</i>									
May 14	8.0	12	44	50.65	6	141	56	17.7	M
15	8.0		44	50.38	...		56	16.8	M
667 <i>R. P. L. 99.</i>									
Apl. 5	...	12	48	10.68	2	5	51	33.0	M
14	...		48	10.35	3		51	32.0	M
668 <i>Anon.</i>									
May 11	9.0	12	48	35.11	...	125	25	59.5	M
669 <i>Anon.</i>									
May 22	9.0	12	48	59.92	...	149	21	55.6	R
670 <i>12 Canis Venaticorum.</i>									
Apl. 24	...	12	49	45.33	...	50	57	27.1	M
671 <i>Taylor 5974.</i>									
May 9	8.0	12	52	1.59	...	143	39	10.6	M
672 <i>Anon.</i>									
May 14	9.0	12	55	9.56	5	124	23	41.6	M
16	8.3		55	9.65	5		23	41.5	R
17	9.0		55	9.70			23	41.7	R
673 <i>48 Virginis.</i>									
Mar. 30	...	12	57	0.22		92	56	31.3	R
31	...		57	0.31			56	31.2	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires	Mean Polar Distance 1866.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires	Mean Polar Distance 1866.	Observer.
674		<i>Anon.</i>				683		<i>Taylor 6148.</i>			
May 22	9.3	12 57 5.97	...	123 25 50.0	n	May 11	7.0	13 14 18.63	...	128 8 57.6	m
675		<i>Lacaille 5391.</i>				17	7.5	14 18.40	...	8 57.2	n
Apl. 11	7.9	12 57 14.68	...	129 57 43.1	m	22	7.7	14 18.51	...	8 57.7	n
676		<i>Anon.</i>				684		<i>O. A. N. 13563.</i>			
May 28	9.5	12 58 12.73	...	124 29 21.4	n	May 26	9.1	13 15 28.84	...	27 53 51.8	n
677		<i>Anon.</i>				685		<i>Anon.</i>			
May 11	8.0	12 58 22.57	4	124 23 34.8	m	Apl. 21	9.5	13 17 13.66	6	128 10 5.2	n
14	7.0	58 22.26	...	23 34.7	m	May 17	9.7	17 18.90	..	10 3.1	n
678		<i>Taylor 6025.</i>				686		<i>67 Virginis α, Spica.</i>			
Apl. 10	8.0	12 59 34.13	...	123 24 0.8	m	Mar. 3	...	13 18 8.14	...	100 27 39.2	m
May 22	7.3	59 34.27	...	24 4.1	n	81	...	18 8.17	...	27 39.8	n
23	7.7	59 34.24	5	24 2.5	n	Apl. 27	...	18 8.12	...	27 40.9	n
679		<i>51 Virginis θ</i>				28	...	18 8.20	...	27 40.8	n
Mar. 8	...	13 3 0.73	...	94 40 22.8	m	May 21	...	18 8.08	...	27 40.4	n
Apl. 27	...	3 0.86	...	40 22.3	n	687		<i>Lacaille 5546.</i>			
May 4	...	3 0.71	...	40 21.0	m	May 28	9.2	13 19 48.77	...	143 28 6.4	n
9	...	3 0.81	...	40 20.6	m	688		<i>R. P. L. 103.</i>			
25	...	3 0.76	...	40 23.6	n	Apl. 19	...	13 20 11.27	3	4 32 45.7	n
29	...	3 0.78	...	40 21.2	n	689		<i>Anon.</i>			
680		<i>W Virginis Var. 1.</i>				May 26	10.7	13 22 24.21	5	88 38 53.4	n
Apl. 19	8.0	13 7 0.40	...	105 50 33.7	n	690		<i>Anon.</i>			
May 22	8.3	7 0.67	...	50 33.4	n	Apl. 21	8.9	13 24 54.20	...	128 9 19.4	n
681		<i>R. P. L. 101—s.p.</i>				May 16	9.0	24 54.36	..	9 18.2	n
Oct. 25	...	13 10 3.63	3	1 37 56.3	n	691		<i>Anon.</i>			
Nov. 3	...	10 3.60	1	37 56.2	n	June 9	9.0	13 25 3.66	6	124 9 43.9	m
14	...	10 4.64	2	37 57.3	n						
682		<i>Anon.</i>									
May 16	8.3	13 12 29.64	5	122 57 12.3	n						

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. ° ' "	Observer.
692 <i>76 Virginis h</i>						702 <i>Anon.</i>					
Mar. 31	...	13 25 54.60	...	99 28 24.7	R	Apl. 19	7.8	13 37 38.07	5	128 40 54.2	R
Apl. 27	...	25 54.79	...	23 24.2	R	703 <i>Anon.</i>					
28	...	25 54.72	...	29 26.1	R	June 9	8.6	13 43 21.36	...	123 7 7.8	M
693 <i>S Virginis Var. G.</i>						704 <i>Anon.</i>					
May 1	8.0	13 26 0.03	...	96 30 21.6	R	June 7	8.2	13 43 31.20	M	123 13 40.9	M
15	7.5	26 0.17	...	30 19.3	M	8	8.6	43 30.97	M	13 40.0	M
June 7	6.9	26 0.15	...	30 21.1	M	705 <i>Anon.</i>					
694 <i>79 Virginis 3</i>						Apl. 19	8.3	13 44 22.04	5	127 37 20.9	R
May 5	...	13 27 51.81	...	89 54 36.6	M	706 <i>8 Bootis 7</i>					
22	...	27 52.02	...	54 35.4	R	Apl. 25	...	13 48 18.22	...	70 55 44.4	R
28	...	27 52.10	...	54 36.1	R	May 1	...	48 18.26	...	55 46.9	R
29	...	27 52.09	...	54 34.1	R	3	...	48 18.30	...	55 45.8	M
695 <i>Taylor 7183.</i>						4	...	48 18.31	...	55 43.5	M
Apl. 19	7.0	13 23 30.50	...	131 43 46.4	R	June 12	...	48 18.14	...	55 47.6	M
30	7.0	23 30.56	...	43 45.5	R	707 <i>Anon.</i>					
696 <i>Anon.</i>						June 9	8.8	13 52 22.74	...	151 31 14.6	M
June 8	7.7	13 33 5.21	5	129 2 11.1	M	708 <i>β Centauri.</i>					
697 <i>Anon.</i>						Apl. 27	...	13 54 23.72	4	149 43 20.4	R
May 28	9.5	13 34 10.06	...	129 10 33.4	R	May 18	...	54 24.18	4	43 30.3	R
698 <i>82 Virginis m.</i>						709 <i>93 Virginis 7</i>					
Mar. 31	...	13 34 34.96	...	98 1 33.5	R	May 1	...	13 54 49.68	...	87 48 21.1	R
699 <i>Anon.</i>						4	...	54 49.56	...	48 24.0	M
May 1	8.2	13 35 49.90	...	123 4 4.0	R	7	...	54 49.70	...	48 20.6	M
700 <i>Anon.</i>						8	...	54 49.61	4	48 22.4	M
Apl. 30	9.2	13 36 21.54	...	128 5 57.1	R	11	...	54 49.67	...	48 24.3	M
701 <i>Taylor 6366.</i>						14	...	54 49.74	...	48 21.0	M
June 5	7.5	13 37 1.28	4	151 46 42.2	M	16	...	54 49.60	...	48 19.8	R
						17	...	54 49.77	...	48 20.5	R
						26	...	54 49.66	...	48 21.4	R
						June 1	...	54 49.72	...	48 19.6	M
						6	...	54 49.64	...	48 21.4	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires.	Mean Polar Distance 1866.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires.	Mean Polar Distance 1866.	Observer.
		h. m. s.		° ' "				h. m. s.		° ' "	
710	<i>Lacaille 5794.</i>					719	<i>Taylor 6740.</i>				
June 8	6.9	13 57 13.97	5	152 48 8.2	M	May 17	8.0	14 19 12.77	...	133 43 29.0	M
711	<i>94 Virginis.</i>					720	<i>Anon.</i>				
May 25	...	13 59 12.18	...	98 15 3.1	N	May 16	8.5	14 20 4.88	...	127 9 26.0	M
712	<i>Taylor 6570.</i>					721	<i>25 Bootis ρ</i>				
June 5	8.4	14 0 9.90	...	149 56 38.8	M	May 3	...	14 26 3.14	...	59 2 23.4	M
713	<i>R. P. L. 108—s.p.</i>					14	...	26 3.23	...	2 22.6	M
Dec. 6	...	14 3 30.57	2	3 36 3.2	M	26	...	26 3.23	5	2 21.4	M
714	<i>Taylor 6616.</i>					June 6	...	26 3.17	5	2 20.4	M
June 9	5.9	14 5 38.86	...	146 27 24.1	M	8	...	26 3.13	3	2 24.1	M
715	<i>98 Virginis κ</i>					722	<i>α Centauri—1st.</i>				
Apr. 28	...	14 5 45.00	...	99 33 54.3	R	May 16	...	14 30 31.29	...	150 16 55.2	M
May 25	...	5 45.05	...	38 54.7	M	21	...	30 31.34	...	16 54.4	M
716	<i>16 Bootis α, Arcturus.</i>					June 26	...	30 31.09	...	16 54.3	M
May 1	...	14 9 33.06	...	70 7 7.9	M	723	<i>36 Bootis ϵ (Mirac.)</i>				
3	...	9 32.09	...	7 10.0	M	May 14	...	14 39 8.02	...	62 21 36.1	M
11	...	9 33.04	...	7 8.6	M	June 5	...	39 7.78	...	21 36.7	M
12	...	9 33.18	...	7 7.7	M	6	...	39 8.06	...	21 34.4	M
14	...	9 32.96	...	7 8.6	M	13	...	39 8.00	...	21 35.7	M
16	...	9 33.02	...	7 7.1	M	724	<i>9 Libræ α^1</i>				
17	...	9 32.97	...	7 7.4	M	Apr. 30	...	14 43 28.03	...	105 28 59.9	M
June 5	...	9 33.01	...	7 8.7	M	May 2	...	43 28.03	...	28 59.2	M
6	...	9 33.09	...	7 9.8	M	28	...	43 28.13	...	28 59.1	M
8	...	9 33.09	...	7 10.2	M	June 13	...	43 28.13	5	28 59.5	M
12	...	9 33.00	...	7 6.6	M	725	<i>O. A. S. 14112.</i>				
717	<i>Anon.</i>					June 5	7.8	14 50 50.78	...	109 11 13.5	M
June 7	8.2	14 14 35.47	...	150 46 30.8	M	6	...	50 50.96	...	11 12.6	M
9	7.9	14 33.43	...	46 30.3	M	7	7.9	50 50.90	...	11 13.9	M
718	<i>Taylor 6721.</i>					726	<i>Anon.</i>				
June 8	7.9	14 17 29.09	...	101 3 32.4	M	June 6	9.0	14 51 26.94	5	39 30 10.0	M

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires.	Mean Polar Distance 1866.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires.	Mean Polar Distance 1866.	Observer.
737		<i>O. A. N. 15004.</i>				736		<i>Lacaille 6377.</i>			
June 8	7.8	14 53 56.56	5	30 21 32.9	M	May 23	8.0	15 19 1.84	5	130 11 20.4	R
738		<i>Taylor 7017.</i>				737		<i>Anon.</i>			
June 9	7.0	14 57 14.77	...	150 36 26.0	M	May 23	9.3	15 20 31.65	5	130 9 1.0	R
739		<i>43 Bootis ψ</i>				738		<i>W. B. E. XV. 395.</i>			
May 16	...	14 53 42.22	...	62 31 45.5	R	May 22	8.9	15 22 5.17	...	101 15 55.8	R
26	...	53 42.22	...	31 42.0	R	739		<i>Taylor 7220.</i>			
June 16	...	53 42.19	5	31 43.2	R	June 26	...	15 22 14.02	...	123 6 59.2	R
26	...	53 42.26	...	31 43.6	R	July 17	...	22 14.13	4	7 1.1	R
29	...	53 42.31	...	31 43.2	R	740		<i>38 Librae γ</i>			
730		<i>21 Librae ν^1</i>				May 23	...	15 23 2.03	...	104 20 24.3	R
Apl. 30	...	14 59 9.15	...	105 44 6.8	R	741		<i>5 Coronae Borealis α, Alpheta.</i>			
731		<i>R. P. L. 111.</i>				June 7	...	15 29 0.95	...	62 49 59.7	M
May 23	...	15 5 29.87	3	5 31 53.9	R	16	...	29 0.95	6	50 1.1	R
732		<i>27 Librae β</i>				29	...	29 0.92	...	49 58.0	R
May 18	...	15 9 47.98	...	98 53 10.8	R	July 17	...	29 0.74	...	49 57.3	R
June 5	...	9 47.87	...	53 11.6	M	742		<i>W. B. E. XV. 587.</i>			
8	...	9 47.91	3	53 8.3	M	June 5	7.8	15 31 50.09	3	103 27 53.9	M
9	...	9 47.92	...	53 10.4	M	743		<i>W. B. E. XV. 645.</i>			
16	...	9 47.85	...	53 13.0	R	May 22	9.1	15 34 29.23	5	102 19 46.2	R
22	...	9 47.93	...	53 12.0	R	744		<i>Anon.</i>			
25	...	9 47.86	...	53 13.1	R	May 21	8.5	15 34 53.63	...	129 1 59.5	R
26	...	9 47.85	...	53 11.0	R	745		<i>24 Serpentis α</i>			
733		<i>Anon.</i>				May 2	...	15 37 40.06	...	53 9 2.6	R
July 17	9.0	15 14 19.77	5	123 7 55.6	R	June 23	...	37 40.94	...	9 4.8	R
734		<i>S. Serpentis Var 3.</i>									
May 21	10.2	15 15 23.30	6	75 12 12.9	R						
735		<i>S Coronae Borealis Var 2.</i>									
June 29	9.5	15 15 56.32	5	53 8 53.5	R						

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires	Mean Polar Distance 1866. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires	Mean Polar Distance 1866. ° ' "	Observer.
746	<i>O. A. S. 14874.</i>					750	<i>Lalande 29306.</i>				
June 16	...	15 39 34.98	...	104 49 3.6	R	June 7	8.2	15 39 33.05	...	107 34 20.3	M
						9	8.5	59 23.19	...	31 19.7	M
747	<i>O. A. S. 14934.</i>					757	<i>R Herculis Var. 2</i>				
July 7	9.6	15 42 56.11	...	107 52 48.1	M	May 17	9.5	16 0 12.23	...	71 16 3.7	R
24	9.3	42 56.23	5	52 47.3	M						
748	<i>W. B. E. XV. 838.</i>					758	<i>Lalande 29391.</i>				
June 6	7.7	15 44 6.09	...	101 27 21.5	M	June 1	7.0	16 1 55.35	5	102 41 39.8	M
749	<i>O. A. S. 14963.</i>					759	<i>O. A. S. 15342.</i>				
July 23	7.0	15 44 35.18	...	108 1 54.7	M	June 6	8.0	15 3 33.22	...	107 45 50.4	M
750	<i>46 Librae 0</i>					7	7.8	3 33.12	...	45 50.5	M
Apl. 30	...	15 46 11.79	...	106 20 1.7	R	9	8.3	3 33.16	...	45 49.5	M
May 1	...	46 11.85	...	20 0.6	R						
751	<i>Radcliffe 3462.</i>					760	<i>R. P. L. 116.</i>				
May 23	8.0	15 46 24.70	...	47 1 55.2	R	May 26	...	16 4 16.32	3	4 19 5.9	R
752	<i>16 Ursae Minoris 3</i>						<i>R. P. L. 116—s.p.</i>				
July 16	...	15 48 55.03	4	11 47 40.3	R	Dec. 22	...	16 4 17.37	3	4 19 5.4	R
753	<i>49 Librae.</i>					761	<i>Anon.</i>				
May 31	...	15 52 49.53	...	106 8 9.1	R	June 3	7.6	16 4 18.64	...	107 52 53.9	M
						July 19	7.8	41 18.61	...	52 54.1	R
754	<i>8 Scorpii 8¹</i>					762	<i>Weisse XVI. 83.</i>				
Apl. 30	...	15 57 38.86	...	109 26 10.9	R	May 18	9.0	16 6 9.00	...	103 41 24.6	R
May 1	...	57 38.77	...	26 10.2	R						
2	...	57 38.83	...	26 10.0	R						
19	...	57 38.89	...	26 9.8	R						
June 16	...	57 38.94	6	26 10.2	R	763	<i>1 Ophiuchi 2.</i>				
755	<i>O. A. S. 15237.</i>					June 19	...	16 7 19.46	...	95 20 51.3	R
June 3	5.4	15 59 25.82	...	105 31 43.2	M	27	...	7 19.63	...	20 49.9	R
July 16	8.0	59 25.92	5	31 43.7	R	July 6	...	7 19.60	5	20 49.8	M
						16	...	7 19.30	...	20 50.4	R
						20	...	7 19.47	...	20 51.0	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
		A.	m.	s.								A.	m.	s.					
764 Anon.										773 α Trianguli Australis.									
May 19	10.5	16	12	31.53	6	107	37	3.2	R	July 16	...	16	34	30.39	...	158	46	38.1	R
21	10.4		12	31.19	...		37	2.7	R										
22	10.2		12	31.29	...		37	1.8	R										
765 Anon.										774 40 Herculis 3									
May 17	9.5	16	16	42.85	...	107	25	53.9	R	July 5	...	16	36	14.12	...	53	9	8.7	M
19	9.7		16	42.81	5		25	54.7	R	13	...		36	14.09	...		9	11.0	M
July 16	10.0		16	42.60	...		25	52.9	R	19	...		36	13.97	...		9	8.8	R
19	9.3		16	42.60	...		25	53.6	R	20	...		36	14.02	4		9	9.0	R
										24	...		36	14.11	...		9	10.3	M
766 Taylor 8521.										775 Anon.									
July 20	9.0	16	17	33.84	...	113	5	37.9	R	July 16	9.0	16	44	32.83	4	131	1	44.3	R
767 7 Ophiuchi ψ										776 Taylor 7842.									
May 23	...	16	19	15.72	...	108	8	57.6	R	May 1	...	16	48	17.64	...	106	35	23.1	R
										2	...		48	17.84	5		35	23.1	R
										July 19	6.8		48	17.73	...		35	23.8	R
768 21 Scorpii α, Antares.										777 27 Ophiuchi κ									
June 5	...	16	21	11.69	5	116	7	54.5	M	July 5	...	16	51	19.42	...	80	24	51.4	M
19	...		21	11.74	5		7	54.0	R	13	...		51	19.44	4		24	52.5	M
July 6	...		21	11.67	6		7	54.9	M	17	...		51	19.49	...		24	52.2	R
7	...		21	11.69	...		7	53.1	M	20	...		51	19.56	...		24	51.3	R
769 14 Draconis η										778 O. A. S. 16232.									
July 19	...	16	22	10.92	4	28	10	54.3	R	July 19	9.6	16	54	4.72	5	110	14	52.8	R
770 9 Ophiuchi ω										779 Anon.									
May 28	...	16	24	11.86	...	111	10	36.7	R	July 16	9.0	16	55	23.80	...	100	56	47.3	R
29	...		24	11.82	5		10	35.4	R										
771 30 Herculis γ Var. 5.										780 22 Ursae Minoris ε—s.p.									
June 6	6.0	16	24	14.54	5	47	49	30.8	M	Jan. 5	...	16	59	48.76	5	7	44	51.1	M
July 20	6.0		24	14.57	4		49	30.1	R	15	...		59	48.08	2		44	53.5	M
										22	...		59	48.84	5		44	53.1	R
772 Taylor 7723.										781 35 Ophiuchi η.									
May 1	...	16	33	49.40	...	107	28	47.3	R	May 30	...	17	2	41.96	...	105	33	22.1	R
2	...		33	49.45	...		28	46.9	R										

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. s. ' ' ' ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.	No. of Wires.	Mean Polar Distance 1866. s. ' ' ' ' "	Observer.
782	<i>Anon.</i>					790	<i>58 Ophiuchi.</i>				
July 19	...	17 5 52.61	5	130 50 34.2	n	June 26	...	17 35 24.09	5	111 36 54.0	n
783	<i>64 Herculis a Var. 1.</i>					791	<i>Anon.</i>				
July 16	...	17 8 32.37	...	75 27 16.6	n	Aug. 20	7.9	17 37 47.86	6	126 29 22.7	n
20	...	8 32.25	...	27 17.0	n	21	7.8	37 48.10	...	29 24.2	n
784	<i>42 Ophiuchi θ.</i>					792	<i>86 Herculis μ</i>				
June 19	...	17 13 46.85	...	114 51 45.0	n	July 5	...	17 41 13.02	...	62 11 53.6	n
July 16	...	13 46.86	...	51 44.9	n	Aug. 10	...	41 12.87	...	11 57.4	n
17	...	13 47.07	...	51 45.0	n	11	...	41 12.89	5	11 57.7	n
19	...	13 46.91	...	51 45.3	n	22	...	41 12.83	...	11 56.3	n
20	...	13 46.91	...	51 45.7	n						
785	<i>Anon.</i>					793	<i>Lacaille 7504.</i>				
Aug. 17	7.9	17 28 12.21	...	130 43 35.1	n	Aug. 9	7.0	17 48 40.45	5	120 6 52.9	n
786	<i>Anon.</i>					794	<i>Lacaille 7517.</i>				
Aug. 18	7.9	17 28 33.11	...	125 14 45.6	n	Aug. 17	7.7	17 52 34.31	...	140 10 25.4	n
787	<i>35 Ophiuchi α.</i>					795	<i>Lacaille 7518.</i>				
July 16	...	17 28 42.81	...	77 20 24.5	n	Aug. 16	7.9	17 52 33.80	5	140 12 16.4	n
19	...	28 42.83	4	20 24.0	n						
Aug. 7	...	28 42.87	5	20 25.1	n						
9	...	28 42.80	...	20 25.0	n						
16	...	28 42.87	...	20 23.7	n						
20	...	28 42.85	...	20 23.8	n						
21	...	28 42.82	...	20 25.3	n						
22	...	28 42.79	4	20 24.2	n						
788	<i>55 Serpentis ξ.</i>					797	<i>Anon.</i>				
May 2	...	17 29 54.80	...	105 18 40.3	n	Aug. 18	7.9	18 8 5.15	...	50 1 12.3	n
29	...	29 55.00	5	18 30.2	n						
789	<i>Lacaille 7406.</i>					798	<i>Anon.</i>				
June 25	...	17 34 50.72	8	128 44 14.7	n	Aug. 9	10.0	18 4 1.58	...	50 9 52.5	n
Aug. 10	7.7	34 50.89	6	41 14.3	n						

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
799		13 Sagittarii μ^1																	
May 30	...	18	5	45.03	...	111	5	26.6	n	Aug. 7	...	18	33	23.97	...	51	30	23.4	n
31	...		5	44.98	...		5	27.7	n	10	...		33	24.01	...		30	22.3	n
June 26	...		5	44.95	...		5	26.1	n	11	...		32	23.98	...		30	23.1	n
July 13	...		5	45.08	...		5	27.2	n	17	...		32	23.97	5		30	20.9	n
19	...		5	44.98	...		5	26.0	n	21	...		32	24.01	4		30	23.2	n
Aug. 7	...		5	44.85	...		5	28.0	n	23	...		33	24.04	...		30	21.6	n
10	...		5	45.06	...		5	25.5	n	24	...		32	23.92	...		30	22.1	n
11	...		5	44.90	...		5	27.3	n	25	...		32	24.06	...		30	22.6	n
17	...		5	44.84	...		5	27.2	n										
21	...		5	44.98	...		5	27.7	n										
800		Taylor 8461.																	
Aug. 7	...	18	14	33.17	...	134	10	22.7	n										
801		23 Ursae Minoris δ																	
July 5	...	18	15	33.84	5	3	23	44.6	n	Aug. 10	7.0	18	40	19.80	...	95	50	46.6	n
Aug. 9	...		15	34.61	3		23	42.8	n	18	7.3		40	19.64	...		50	46.9	n
										20	7.0		40	19.66	...		50	47.6	n
										Sep. 8	6.9		40	19.51	6		50	46.4	n
		23 Ursae Minoris δ—s.p.																	
Feb. 3	...	18	15	34.81	2	3	23	45.7	n	809		Lacaille 7872.							
10	...		15	34.72	3		23	42.6	n	Aug. 22	6.5	18	42	20.23	5	136	44	55.5	n
										29	6.5		42	20.17	...		44	55.3	n
802		Lalande 33845.																	
Aug. 10	...	18	15	42.37	...	102	4	37.7	n	810		Lacaille 7878.							
18	7.0		15	42.26	...		4	38.1	n	Aug. 25	6.7	18	43	2.30	...	136	44	33.4	n
										30	7.5		43	2.38	...		44	31.3	n
803		ϵ^2 Telescopii.																	
Aug. 17	6.0	18	22	6.97	...	135	50	43.5	n	811		10 Lyrae β Var. 1.							
										Aug. 7	...	18	45	7.98	5	56	47	20.0	n
										11	...		45	7.80	...		47	25.9	n
										17	...		45	7.86	...		47	26.5	n
										23	...		45	7.82	...		47	25.9	n
										Sep. 7	...		45	7.93	...		47	26.9	n
804		Taylor 8551.																	
Aug. 16	7.2	18	27	28.74	...	149	13	28.4	n	812		Anon.							
										Sep. 8	8.6	18	47	2.97	3	137	44	48.0	n
805		Anon.																	
Aug. 20	7.8	18	38	26.16	...	135	34	27.6	n	10	7.8		47	8.01	5		44	48.5	n

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813	37 Sagittarii ξ^1					821	Anon.				
June 27	...	18 49 44.24	...	111 16 48.3	R	Aug. 29	8.2	19 3 15.56	5	130 22 30.4	R
						Sep. 10	7.7	3 15.40	...	22 32.6	M
						12	7.9	3 15.20	...	22 34.1	M
814	13 Lyrae Var. 2.					822	Anon.				
Aug. 7	...	18 51 15.36	4	46 13 43.9	R	Aug. 9	7.8	19 3 21.27	...	122 50 50.1	R
9	5.3	51 15.29	5	13 44.5	R	18	7.9	3 21.18	4	50 56.3	M
16	4.9	51 15.28	...	13 44.1	M	20	7.9	3 21.35	4	50 56.5	M
20	5.6	51 15.45	...	13 43.7	M						
815	O. A. S. 18960.					823	Anon.				
Aug. 18	7.4	18 53 46.14	5	121 7 29.9	M	Sep. 14	9.0	19 7 14.38	...	129 47 20.4	M
29	8.0	53 46.40	...	7 28.8	M						
Sep. 7	7.4	53 46.05	6	7 30.4	M						
816	Anon.					824	Anon.				
Aug. 11	8.2	18 54 18.53	...	122 56 5.5	R	July 29	7.0	19 8 2.66	6	123 7 0.7	R
Sep. 12	7.7	54 18.50	5	56 5.5	M	24	7.1	8 2.66	...	7 1.3	M
13	...	54 18.45	5	56 4.4	M	Aug. 16	7.3	8 2.61	...	7 0.5	M
						23	7.0	8 2.40	...	7 0.0	M
817	39 Sagittarii $\circ$					825	Anon.				
Aug. 21	...	18 56 39.02	3	111 56 7.1	M	Aug. 11	9.8	19 8 20.72	5	129 43 50.2	R
22	...	56 39.06	...	56 4.7	M						
818	17 Aquilae ζ.					826	Anon.				
Aug. 3	...	18 59 14.00	...	76 20 0.9	R	Aug. 11	7.5	19 9 30.26	6	129 46 56.7	R
17	...	59 15.02	...	20 1.2	M	Sep. 14	7.0	9 30.08	4	46 56.3	M
23	...	59 14.97	...	20 0.8	M						
25	...	59 14.94	...	20 0.1	M	827	Anon.				
Sep. 8	...	59 14.86	...	20 0.5	M	Sep. 13	...	19 10 6.83	...	107 2 28.5	M
819	Anon.					828	Anon.				
Aug. 11	9.4	19 0 57.83	...	83 1 24.2	R	Aug. 25	7.6	19 10 15.29	...	133 30 47.6	M
820	41 Sagittarii π					829	25 Aquilae ω				
Aug. 21	...	19 1 47.63	3	111 14 2.0	M	Aug. 3	...	19 11 31.53	5	73 28 25.5	R
22	...	1 47.41	...	14 1.1	M	Sep. 15	...	11 31.53	4	28 28.6	M

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
830 30 <i>Aquilae</i> δ										837 <i>S Vulpeculae</i> Var. 3.									
Aug. 16	...	19	18	41.43	...	87	9	0.2	M	Sep. 8	8.0	19	43	54.02	...	63	2	43.4	M
18	...		18	41.39	...		9	0.7	M	10	8.0		43	54.07	...		2	43.5	M
20	...		18	41.39	...		8	59.5	M	838 53 <i>Aquilae</i> α , <i>Altair</i> .									
21	...		18	41.38	...		9	1.3	M	Aug. 9	...	19	44	14.61	5	81	29	59.9	R
23	...		18	41.35	...		9	0.8	M	16	...		44	14.65	4		29	59.8	M
29	...		18	41.33	...		8	59.2	M	30	...		44	14.50	...		29	59.8	M
Sep. 12	...		18	41.40	...		9	0.6	M	Sep. 12	...		44	14.50	...		29	0.6	M
13	...		18	41.42	...		9	0.1	M	839 57 <i>Sagittarii</i> .									
14	...		18	41.44	...		8	59.5	M	Aug. 22	...	19	44	24.75	...	100	22	57.2	M
831 <i>Taylor</i> 8950.										840 60 <i>Aquilae</i> β									
Sep. 7	6.3	19	22	18.24	...	143	27	51.1	M	Aug. 3	...	19	43	43.73	...	83	55	32.6	R
15	6.2		22	18.52	...		27	50.3	M	20	...		43	43.71	...		55	33.1	M
832 52 <i>Sagittarii</i> h^a										Sep. 7	...		43	43.64	...		55	34.0	M
Aug. 18	...	19	28	32.87	...	115	10	34.0	M	14	...		43	43.60	...		55	33.2	M
20	...		28	32.85	...		10	36.1	M	841 <i>Anon.</i>									
22	...		28	32.89	...		10	34.5	M	Sep. 10	7.9	19	56	54.87	...	130	21	15.2	M
30	...		28	32.96	...		10	34.6	M	842 λ <i>Ursae Minoris</i> — <i>s.p.</i>									
Sep. 8	...		28	32.94	...		10	36.0	M	Jan. 25	...	19	59	11.68	3	1	5	32.8	R
833 <i>Lacaille</i> 8173.										Feb. 20	...		59	11.36	7		5	32.6	R
Sep. 7	7.7	19	31	46.08	6	143	15	16.7	M	Mar. 1	...		59	11.34	7		5	31.4	R
834 <i>Anon.</i>										8	...		59	11.76	2		5	34.1	M
Sep. 10	8.4	19	31	31.56	...	127	16	47.6	M	843 <i>Anon.</i>									
835 56 <i>Sagittarii</i> f										Sep. 12	8.8	20	7	47.23	...	81	22	7.0	M
Aug. 22	...	19	38	32.47	...	110	4	50.2	M	14	8.9		7	47.19	...		22	7.8	M
23	...		38	32.55	...		4	51.7	M	27	8.1		7	47.20	...		22	7.4	M
836 50 <i>Aquilae</i> γ										844 <i>R Sagittarii</i> Var. 1.									
Aug. 9	...	19	30	53.28	...	79	42	41.0	R	Sep. 19	9.3	20	7	57.46	...	73	40	38.3	R
16	...		39	53.21	...		42	40.2	M	845 <i>O. A. S.</i> 20356.									
18	...		39	53.17	...		42	40.0	M	Sep. 10	7.7	20	9	27.63	...	110	25	48.6	M
29	...		30	53.24	...		42	39.5	M										
Sep. 12	...		30	53.31	...		42	40.0	M										

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846 <i>6 Capricorni a¹</i>						853 <i>Anon.</i>					
June 30	...	20 10 37.00	...	102 57 29.1	M	Oct. 2	9.3	20 28 50.44	...	121 6 5.6	M
Aug. 29	...	10 37.00	...	57 28.0	M	854 <i>R. P. L. 143.</i>					
Sep. 8	...	10 36.86	...	57 27.4	M	Sep. 19	...	20 29 24.34	3	5 18 3.9	M
13	...	10 36.81	...	57 28.6	M	855 <i>Anon.</i>					
15	...	10 37.00	4	57 29.2	M	Sep. 22	9.0	20 31 2.36	...	149 53 0.4	M
20	...	10 37.01	...	57 28.9	M	856 <i>S Capricorni Var. 2.</i>					
847 <i>Anon.</i>						Aug. 3	9.6	20 34 4.21	...	109 31 37.3	M
Sep. 28	7.5	20 10 38.67	5	149 8 41.6	M	Sep. 18	9.3	34 4.26	...	31 56.8	M
848 <i>Anon.</i>						24	9.0	34 4.25	4	31 57.1	M
Aug. 3	9.7	20 12 13.56	5	88 46 53.2	M	Oct. 5	9.1	34 4.15	...	31 57.1	M
849 <i>a Pavonis.</i>						857 <i>Anon.</i>					
Aug. 30	...	20 15 1.73	...	147 9 39.6	M	Aug. 9	9.2	20 35.54.12	5	124 29 57.6	M
850 <i>Lalande 39125.</i>						858 <i>50 Cygni a, Deneb.</i>					
Sep. 18	8.9	20 15 37.36	...	106 12 59.2	M	July 24	...	20 36 51.79	5	45 11 50.0	M
851 <i>11 Capricorni p</i>						Sep. 7	...	36 51.63	...	11 49.9	M
Aug. 18	...	20 21 12.77	...	108 15 15.6	M	10	...	36 51.90	...	11 50.6	M
23	...	21 12.78	...	15 15.7	M	Oct. 9	...	36 51.76	...	11 50.6	M
29	...	21 12.87	...	15 15.1	M	859 <i>W. B. E. XX. 9.3.</i>					
30	...	21 12.85	...	15 15.2	M	Aug. 11	9.0	20 36 53.36	5	73 23 37.7	M
Sep. 8	...	21 12.71	...	15 15.4	M	Oct. 6	8.2	36 53.29	...	22 37.4	M
10	...	21 12.72	...	15 15.9	M	860 <i>S Delphini Var. 2.</i>					
13	...	21 12.84	...	15 16.0	M	Sep. 14	9.2	20 36 54.45	...	73 23 36.7	M
14	...	21 12.84	...	15 16.9	M	27	9.1	36 54.43	4	23 36.9	M
20	...	21 12.68	...	15 16.4	M	861 <i>2 Aquarii e</i>					
28	...	21 12.88	...	15 16.4	M	June 30	...	20 40 25.18	...	99 50 4.0	M
29	...	21 12.78	...	15 14.1	M	Aug. 23	...	40 25.13	...	59 4.3	M
Oct. 1	...	21 12.73	5	15 15.2	M						
5	...	21 12.47	...	15 14.2	M						
852 <i>Anon.</i>											
Aug. 11	9.0	20 26 28.49	...	121 12 17.8	M						

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires	Mean Polar Distance 1866.			Observer.
		A.	M.	S.		°	'	"	
862	<i>W. B. E. XX. 1024.</i>								
Sep. 18	9.5	20	40	59.74	...	105	23	50.6	n
863	<i>Anon.</i>								
Sep. 22	10.4	20	41	15.49	4	105	17	55.5	n
864	<i>6 Aquarii μ</i>								
Aug. 23	...	20	45	25.33	...	99	29	3.7	m
865	<i>32 Vulpeculae.</i>								
Sep. 10	...	20	48	50.79	...	62	27	2.3	m
19	...	48	50.83	...	...	27	2.2	n	
24	...	48	50.99	...	...	27	3.7	m	
28	...	48	50.53	...	...	27	2.4	m	
29	...	48	50.90	...	...	27	2.5	m	
Oct. 5	...	48	50.83	...	...	27	1.0	m	
6	...	48	51.05	...	...	27	2.4	m	
9	...	48	50.87	...	...	27	2.0	m	
866	<i>Lacaille 8630.</i>								
Sep. 12	7.0	20	51	31.56	6	126	38	45.3	m
27	7.0	51	31.77	...	...	38	45.7	m	
867	<i>Anon.</i>								
Oct. 11	9.0	20	51	6.41	4	142	58	47.8	m
868	<i>Anon.</i>								
Sep. 18	10.1	20	58	31.31	5	66	42	21.3	n
23	10.5	58	31.15	5	...	42	20.8	n	
869	<i>Taylor 9772—1st.</i>								
Sep. 27	7.7	31	0	36.11	...	145	6	50.6	m
870	<i>Taylor 9772—2nd.</i>								
Oct. 9	7.9	21	0	34.56	...	145	6	50.0	m
12	8.0	0	34.31	5	...	6	31.4	m	
15	7.9	0	34.26	...	...	6	50.3	m	
871	<i>61 Cygni—1st.</i>								
Sep. 19	...	21	0	53.40	...	51	54	25.4	n
Oct. 9	...	0	53.53	...	...	54	29.8	m	
10	...	0	53.56	...	...	54	27.8	m	
872	<i>13 Aquarii ν</i>								
Sep. 20	...	21	2	17.43	...	101	54	45.2	n
873	<i>Anon.</i>								
Oct. 11	9.3	21	3	3.17	5	145	6	16.7	m
874	<i>Lacaille 8712.</i>								
Sep. 24	8.3	21	4	20.13	5	146	48	5.0	m
875	<i>64 Cygni 3</i>								
Aug. 29	...	21	7	13.83	...	60	19	17.0	n
30	...	7	13.91	...	...	19	16.5	n	
Sep. 10	...	7	13.98	...	...	19	19.5	m	
12	...	7	13.94	...	...	19	17.3	m	
14	...	7	13.80	...	...	19	17.9	m	
15	...	7	13.98	...	...	19	16.9	n	
18	...	7	14.01	5	...	19	17.6	n	
19	...	7	14.01	5	...	19	17.5	n	
22	...	7	13.92	...	...	19	17.6	n	
28	...	7	13.87	4	...	19	17.1	m	
29	...	7	13.91	4	...	19	16.3	m	
Oct. 1	...	7	13.90	...	...	19	15.9	m	
5	...	7	13.93	...	...	19	16.8	m	
6	...	7	14.03	...	...	19	16.1	m	
876	<i>Anon.</i>								
Oct. 3	9.6	21	11	8.63	...	129	31	28.5	m
877	<i>Brisbane 7012.</i>								
Sep. 18	...	21	14	14.00	6	131	43	30.3	n
27	7.8	14	14.08	...	...	43	31.6	m	
Oct. 13	9.0	14	14.15	5	...	43	31.4	m	

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.
		h.	m.	s.		°	'	"	
878 <i>T Capricorni Var. 3.</i>									
Sep. 23	9.9	21	14	32.25	...	105	39	41.2	n
879 <i>5 Cephei α</i>									
Sep. 19	...	21	15	22.69	5	27	58	52.2	n
20	...	15	22.56	5		58	53.4		n
880 <i>Anon.</i>									
Sep. 12	7.7	21	20	14.71	5	150	47	21.0	m
881 <i>22 Aquarii β</i>									
Sep. 15	...	21	24	30.22	...	96	9	33.2	m
18	...	24	30.15	...		9	33.7		n
19	...	24	30.18	...		9	33.1		n
20	...	24	30.06	...		9	33.4		n
24	...	24	30.19	...		9	33.1		m
27	...	24	30.01	5		9	35.1		m
29	...	24	30.07	...		9	32.4		m
Oct. 1	...	24	30.11	...		9	32.5		m
5	...	24	30.05	...		9	32.9		m
882 <i>8 Cephei β</i>									
Aug. 17	...	21	26	55.51	5	20	1	37.2	m
30	...	26	55.16	...		1	37.8		n
883 <i>Anon.</i>									
Sep. 14	9.0	21	28	58.15	...	134	3	49.6	m
884 <i>23 Aquarii ε</i>									
June 30	...	21	30	36.87	...	98	27	13.3	n
Sep. 20	...	30	36.92	...		27	13.6		n
885 <i>Taylor 10068.</i>									
Sep. 29	7.5	21	34	28.51	...	134	6	11.8	m
886 <i>S Cephei Var. 3.</i>									
Aug. 29	7.0	21	36	49.34	3	11	58	45.8	n
887 <i>8 Pegasi α</i>									
Sep. 18	...	21	37	36.15	...	81	44	17.1	n
24	...	37	36.19	...		44	17.1		m
23	...	37	36.29	...		44	16.9		m
Oct. 1	...	37	36.14	...		44	15.4		m
2	...	37	36.29	...		44	16.8		m
11	...	37	36.29	...		44	16.8		m
22	...	37	36.35	...		44	16.8		m
888 <i>48 Capricorni λ</i>									
June 30	...	21	39	19.02	5	101	58	57.4	n
889 <i>α Cephei Var. 1.</i>									
Sep. 27	6.0	21	39	24.43	5	31	50	3.0	m
890 <i>W. B. E. XXI. 975.</i>									
Sep. 19	9.7	21	41	16.14	...	97	19	12.1	n
891 <i>16 Pegasi.</i>									
Sep. 22	...	21	46	57.87	...	64	42	17.3	n
Oct. 6	...	46	57.86	...		42	15.0		m
15	...	46	58.00	...		42	16.1		
22	...	46	57.88	...		43	16.2		m
892 <i>Anon.</i>									
Sep. 13	8.9	21	47	42.52	...	133	11	56.7	m
893 <i>Taylor 10190.</i>									
Aug. 16	6.5	21	51	14.18	...	140	31	21.9	m
27	6.2	51	14.10	...		31	22.8		m
894 <i>Anon.</i>									
Oct. 11	9.5	21	53	24.19	...	136	37	41.6	m
895 <i>α Indi.</i>									
Aug. 29	5.5	21	53	5.47	...	147	30	5.1	n
Sep. 19	...	53	5.41	...		30	4.6		n
Oct. 6	5.9	53	5.48	6		30	6.8		m

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires	Mean Polar Distance 1866.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
896 <i>Anon.</i>										904 <i>55 Aquarii 3—1st.</i>									
Sep. 22	9.0	21	53	58.71	...	150	48	43.9	R	Aug. 27	6.2	22	21	55.64	...	90	42	15.8	M
897 <i>34 Aquarii a</i>										Sep. 28	6.6	21	55.67	...		42	14.6	M	
Aug. 27	...	21	58	53.86	...	90	58	12.3	M	Oct. 10	5.9	21	55.67	...		42	14.8	M	
Sep. 27	...		58	54.05	4		58	10.7	M	905 <i>55 Aquarii 3—2nd.</i>									
Oct. 2	...		58	54.02	...		58	11.0	M	Oct. 17	6.2	22	21	55.67	...	90	42	19.1	M
9	...		58	54.09	...		58	11.4	M	906 <i>Anon.</i>									
12	...		58	54.05	...		58	11.0	M	Sep. 25	7.9	22	21	57.91	...	100	37	9.5	M
15	...		58	53.92	...		58	11.5	M	Oct. 12	7.8	21	57.61	...		37	12.0	M	
16	...		58	53.87	...		58	11.1	M	907 <i>27 Cephei δ Var 2.</i>									
17	...		58	54.03	...		58	10.9	M	Sep. 15	...	22	24	12.00	3	32	16	18.1	M
24	...		58	53.93	...		58	11.3	M	908 <i>Anon.</i>									
898 <i>a Gruis.</i>										Oct. 15	7.9	22	25	50.50	5	141	29	38.7	M
Sep. 15	...	21	59	46.52	...	137	36	31.1	M	909 <i>62 Aquarii γ</i>									
899 <i>Anon.</i>										Aug. 27	...	22	28	28.18	...	90	48	27.9	M
Sep. 28	7.9	22	9	11.76	...	98	21	30.6	M	Oct. 6	...		28	28.10	...		48	26.6	M
Oct. 6	8.0		9	11.77	...		21	31.0	M	17	...		28	28.10	...		48	26.9	M
900 <i>Anon.</i>										22	...		28	28.19	...		48	27.6	M
Oct. 12	8.9	22	9	16.00	...	140	26	43.6	M	24	...		28	28.14	...		48	27.6	M
901 <i>43 Aquarii δ</i>										Nov. 5	...		28	28.11	...		48	26.6	M
Sep. 15	...	22	9	45.43	...	98	26	57.9	M	910 <i>Lacaille 9188.</i>									
22	...		9	45.76	4		26	59.5	R	Oct. 12	6.9	22	30	0.67	5	130	33	7.4	M
25	...		9	45.38	5		26	57.6	M	16	7.1		30	0.54	5		33	6.6	M
Oct. 3	...		9	45.31	3		26	59.2	M	911 <i>42 Pegasi 3</i>									
15	...		9	45.51	...		26	58.9	M	Aug. 27	...	22	34	46.76	...	79	52	4.0	M
16	...		9	45.64	...		26	59.3	M	28	...		34	46.64	...		52	2.6	M
17	...		9	45.38	...		26	58.0	M	Oct. 2	...		34	46.66	3		52	1.8	M
902 <i>Anon.</i>										24	...		34	46.68	...		52	2.6	M
Oct. 11	9.0	22	13	17.03	...	146	28	1.1	M	Nov. 5	...		34	46.71	...		52	2.8	M
903 <i>Anon.</i>																			
Oct. 16	9.0	22	16	58.44	4	135	57	40.2	M										

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires.	Mean Polar Distance 1866.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.	No. of Wires.	Mean Polar Distance 1866.	Observer.
		<i>h. m. s.</i>		<i>° ' "</i>				<i>h. m. s.</i>		<i>° ' "</i>	
912	<i>W. B. E. XXII. 844.</i>					921	<i>Anon.</i>				
Oct. 11	8.8	22 40 40.32	...	87 48 4.0	M	Oct. 11	9.2	23 4 25.22	...	130 43 37.2	M
913	<i>Anon.</i>					922	<i>Anon.</i>				
Nov. 5	...	22 43 33.73	...	130 36 2.1	R	Oct. 12	8.5	23 8 15.26	5	150 30 39.3	M
914	<i>O. A. S. 22500.</i>					27	...	8 15.23	6	30 39.2	R
Oct. 5	8.0	22 49 7.09	...	119 19 13.9	M	Nov. 3	8.7	8 15.16	5	30 39.7	R
11	8.0	49 7.20	...	19 14.6	M	923	<i>Lacaille 9423.</i>				
12	8.1	49 7.17	...	19 14.2	M	Sep. 8	7.0	23 10 2.33	...	151 43 57.0	M
915	<i>S Aquarii Var. 2.</i>					924	<i>6 Piscium γ</i>				
Oct. 29	9.2	23 49 55.39	...	111 3 27.6	R	Aug. 28	...	23 10 12.97	...	57 29 58.2	M
916	<i>24 Piscis Australis α, Fomalhaut.</i>					Sep. 18	...	10 13.10	...	26 50.4	R
Aug. 28	...	23 50 14.51	...	120 19 56.1	M	19	...	10 13.10	5	26 50.0	R
Sep. 25	...	50 14.57	...	19 54.9	M	25	...	10 13.16	...	26 53.7	M
Oct. 15	...	50 14.44	...	19 55.3	M	27	...	10 13.11	...	26 57.8	M
16	...	50 14.39	...	19 55.1	M	Oct. 24	...	10 13.11	...	26 58.5	M
17	...	50 14.33	5	19 54.8	M	30	...	10 13.13	...	26 54.3	R
23	...	50 14.25	...	19 55.9	M	Nov. 1	...	10 13.19	...	26 57.2	R
917	<i>Anon.</i>					5	...	10 13.05	...	26 58.4	R
Sep. 8	7.1	22 50 25.78	...	110 59 26.6	M	925	<i>Anon.</i>				
Oct. 24	7.2	50 25.91	...	59 28.2	M	Oct. 31	8.5	23 10 42.06	...	150 43 53.5	R
918	<i>Anon.</i>					926	<i>96 Aquarii.</i>				
Oct. 30	8.6	22 51 54.85	...	85 22 30.1	R	Sep. 22	...	23 12 27.07	...	96 51 23.3	M
31	8.3	51 54.79	...	22 30.5	R	927	<i>Anon.</i>				
919	<i>54 Pegasi α, Markab.</i>					Nov. 5	9.0	23 13 48.15	5	130 29 9.4	R
Sep. 27	...	22 54 5.18	...	75 30 55.3	M	928	<i>Taylor 1074S.</i>				
Oct. 12	...	54 5.13	...	30 56.3	M	Aug. 28	6.9	23 17 39.83	...	147 35 4.5	M
30	...	54 5.32	...	30 54.5	R	Oct. 24	6.0	17 39.51	...	33 4.9	M
920	<i>Lacaille 9372.</i>					929	<i>Anon.</i>				
Oct. 9	8.0	23 0 20.09	...	150 27 34.9	M	Nov. 3	9.5	23 19 49.27	5	151 37 26.3	R

Separate Results of Madras Meridian Circle Observations in 1866.

Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1866.			No. of Wires.	Mean Polar Distance 1866.			Observer.	
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>''</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>''</i>		
930 8 Piscium κ										939 17 Piscium ι										
Aug. 27	...	23	20	3 75	...	89	28	41.3	M	Aug. 27	...	23	33	3 48	...	85	5	59.9	M	
Sep. 26	...		20	3 83	...		28	39.8	M	Sep. 26	...		33	3 51	...		5	58.8	M	
Oct. 11	...		20	3 83	...		28	40.1	M	Oct. 29	...		33	3 50	...		5	58.6	M	
13	...		20	3 68	...		28	40.4	M	30	...		33	3 33	...		5	59.5	R	
27	...		20	3 80	5		28	39.6	R	Nov. 1	...		33	3 45	...		5	58.0	R	
29	...		20	3 78	...		28	39.7	R	8	...		33	3 51	...		5	59.2	R	
Nov. 1	...		20	3 78	...		28	37.8	R											
931 Anon.										940 35 Cephei γ										
Oct. 30	8.5	23	20	51.70	...	88	51	2.3	R	Sep. 19	...	23	33	52.05	5	13	6	52.3	R	
Nov. 6	8.0		20	51.66	...		51	2.1	R	23	...		33	52.31	5		6	54.1	R	
932 Anon.										941 Anon.										
Oct. 31	9.3	23	21	9.87	...	137	27	5.3	R	Nov. 5	9.0	23	34	26.95	...	147	26	40.6	R	
933 10 Piscium θ										942 Anon.										
Sep. 25	...	23	21	10.30	...	84	21	23.8	M	Nov. 7	9.7	23	36	53.10	5	106	1	38.4	R	
934 Anon.										9	9.2		36	52.99	...			1	38.1	R
Nov. 3	10.2	23	25	30.32	5	129	51	20.3	R	943 Anon.										
5	9.8		25	36.27	...		51	19.7	R	Nov. 5	9.3	23	41	10.75	...	128	46	0.3	R	
935 Taylor 10804.										6	9.2		41	10.78	...		46	0.5	R	
Aug. 28	6.5	23	27	36.19	...	147	33	57.4	M	944 δ Sculptoris.										
936 R. P. L. 158.										Sep. 26	...	23	41	56.47	...	118	52	16.6	M	
Nov. 7	...	23	27	50.15	3	3	25	54.1	R	Oct. 27	...		41	56.50	...		52	17.2	R	
937 Anon.										31	...		41	56.44	...		52	16.7	R	
Oct. 31	9.6	23	30	1.13	...	137	19	24.5	R	Nov. 3	...		41	56.41	...		52	16.5	R	
Nov. 6	9.7		30	1.01	...		19	26.0	R	945 Lalande 46650.										
938 Anon.										Oct. 2	8.4	23	42	12.32	5	88	18	35.8	M	
Oct. 27	...	23	30	31.44	5	148	56	1.7	R	946 Anon.										
										Nov. 8	9.7	23	42	48.52	5	150	53	24.9	R	
										947 22 Piscium.										
										Sep. 24	...	23	45	6.38	...	87	48	51.9	M	

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Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.			No. of Wires.	Mean Polar Distance 1866. ° ' "			Observer.
948		Anon.							
Oct. 11	9.3	23	47	3 10	5	150	43	2.6	N
949		Lacaille 9638.							
Nov. 7	7.7	23	47	8 04	4	150	17	19.7	N
950		Anon.							
Nov. 9	...	23	47	37.20	...	150	45	12.8	N
951		Anon.							
Nov. 5	9.1	23	47	40.96	5	128	50	18.8	N
6	9.3		47	49.97	...		50	19.2	N
952		Lacaille 9641.							
Oct. 10	7.9	23	48	8.21	3	128	6	35.1	N
27	8.5		48	8.28	...		6	36.6	N

Number and Date.	Magnitude.	Mean Right Ascension 1866. h. m. s.			No. of Wires.	Mean Polar Distance 1866. ° ' "			Observer.
953		28 Piscium ∞							
Sep. 26	...	23	52	25.67	...	83	52	41.9	N
Oct. 12	...		52	25.46			52	43.3	N
954		Lacaille 9686.							
Oct. 27	7.0	23	53	38.61	..	143	50	36.2	N
955		Anon.							
Nov. 5	8.9	23	56	4.61	...	130	16	22.2	N
956		Taylor 10990.							
Nov. 6	9.2	23	57	0.23	..	148	34	31.6	N
957		Lacaille 9721.							
Aug. 27	6.9	23	59	22.11	5	130	40	14.4	N

MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1866

REDUCED TO JANUARY 1, OF THAT YEAR.

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
1	Taylor 11010	8.0	1	0	0	34.89	147	34	53.6	1	0.86
2	21 Androm. α (<i>Alpherat</i>)..	2.0	...	0	1	27.01	61	39	59.0	8	0.81
3	Lacaille 9739	8.0	1	0	2	10.16	130	29	59.1	1	0.84
4	Lacaille 9757	8.0	1	0	4	31.16	131	7	7.8	1	0.85
5	88 Pegasi γ (<i>Algenib</i>) ...	3.0	...	0	6	20.22	75	33	41.5	7	0.85
6	... ..	9.2	1	0	6	44.46	131	6	22.3	1	0.85
7	Lalande 163	7.7	3	0	7	44.52	89	26	54.3	3	0.77
8	... ..	9.0	1	0	9	28.63	149	31	11.3	1	0.84
9	... ..	9.9	1	0	9	39.06	153	54	27.9	1	0.85
10	... ..	9.6	2	0	10	40.63	152	0	12.7	2	0.85
11	Lacaille 41	8.1	2	0	12	39.69	130	51	23.4	2	0.78
12	... ..	7.5	1	0	15	54.62	51	59	21.9	1	0.83
13	Lacaille 61	7.3	2	0	16	7.57	130	0	19.1	2	0.84
14	... ..	9.2	2	0	18	36.90	152	56	57.9	2	0.83
15	Lacaille 81	7.1	1	0	18	44.20	130	0	2.3	1	0.85
16	10 Ceti	6.7	...	0	19	44.97	90	47	32.7	2	0.65
17	12 Ceti	6.2	...	0	23	11.99	94	41	53.1	7	0.85
18	Lacaille 132	8.4	4	0	27	24.03	151	53	16.1	4	0.81
19	... ..	8.5	2	0	31	32.36	82	27	41.4	2	0.80
20	Lalande 1010	9.5	2	0	32	21.68	82	31	46.7	2	0.84
21	18 Cassiopea α Var. 2 ...	2.2	...	0	32	55.17	34	11	53.3	2	0.85
22	16 Ceti β	2.1	...	0	36	51.63	108	43	21.9	5	0.87
23	W. B. E. 0.628	9.3	1	0	37	0.17	98	48	46.3	1	0.89
24	... ..	9.5	1	0	39	59.45	150	44	13.0	1	0.90
25	W. B. E. 0.697	9.2	3	0	40	40.69	95	13	51.3	3	0.79
26	W. B. E. 0.705	9.0	2	0	41	14.32	94	26	39.8	2	0.84
27	63 Piscium δ	4.6	...	0	41	43.97	83	8	40.8	3	0.78
28	W. B. E. 0.716	9.5	1	0	41	47.59	94	36	7.8	1	0.90
29	20 Ceti	6.0	...	0	46	9.58	91	52	22.2	1	0.63
30	... ..	9.9	2	0	47	40.99	153	39	38.8	3	0.85
31	λ^1 Toucani	6.5	1	0	48	2.62	153	36	0.1	1	0.84
32	... ..	9.6	2	0	49	0.34	153	49	9.0	2	0.88
33	... ..	9.0	1	0	49	0.60	133	46	35.8	1	0.85
34	Lacaille 264	7.9	...	0	50	40.06	154	41	26.0	1	0.90
35	R. P. L. 12	4.5	...	0	50	58.08	4	27	48.1	2	0.34

7.—Star occulted by the moon, when totally eclipsed, on 1866 Sep. 24.

20.—Comparison star for Ariadne in 1861.

21.—a Cassiopea Var. 2 (*Shedir*). Changes irregularly between 2.2 and 2.5 magnitude.

23.—25.—26.—28.—Comparison stars for Europa in 1861.

35.—2 Ursa Minoris.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
1	Taylor 11010 ...	+ 3.0668	- 0.0452	...	- 20.055	+ 0.010	...	...
2	21 Androm. α (Alpherat) ...	+ 3.0767	+ 0.0182	+ 0.009	- 20.055	+ 0.018	+ 0.15	4
3	Lacaille 9789 ...	+ 3.0613	- 0.0233	...	- 20.054	+ 0.013	...	...
4	Lacaille 9757 ...	+ 3.0491	- 0.0236	...	- 20.051	+ 0.018	...	22
5	88 Pegasus (<i>Algenib</i>) ...	+ 3.0815	+ 0.0100	0.000	- 20.048	+ 0.022	+ 0.02	26
6	... ..	- 3.0378	- 0.0232	...	- 20.046	+ 0.022	...	...
7	Lalande 163 ...	+ 3.0724	+ 0.0026	...	- 20.044	+ 0.024	...	...
8	... ..	+ 2.9781	- 0.0452	...	- 20.038	+ 0.027	...	...
9	... ..	+ 2.9572	- 0.0540	...	- 20.036	+ 0.027	...	...
10	... ..	+ 2.9550	- 0.0498	...	- 20.034	+ 0.029	...	...
11	Lacaille 41 ...	+ 3.0083	- 0.0221	...	- 20.024	+ 0.033	...	...
12	... ..	+ 3.1445	+ 0.0271	...	- 20.007	+ 0.041	...	...
13	Lacaille 61 ...	+ 2.9932	- 0.0209	...	- 20.006	+ 0.040	...	...
14	... ..	+ 2.8597	- 0.0472	...	- 19.988	+ 0.043	...	...
15	Lacaille 81 ...	+ 2.9805	- 0.0205	...	- 19.989	+ 0.044	...	...
16	10 Ceti ...	+ 3.0705	+ 0.0026	+ 0.005	- 19.981	+ 0.047	+ 0.03	95
17	12 Ceti ...	+ 3.0609	+ 0.0008	- 0.002	- 19.953	+ 0.055	+ 0.01	113
18	Lacaille 132 ...	+ 2.7737	- 0.0413	...	- 19.912	+ 0.057	...	...
19	... ..	+ 3.0064	+ 0.0076	...	- 19.865	+ 0.071	...	...
20	Lalande 1010 ...	+ 3.0969	+ 0.0076	...	- 19.855	+ 0.072	...	...
21	18 Cassiopea α Var. 2 ...	+ 3.3536	+ 0.0553	+ 0.006	- 19.848	+ 0.080	+ 0.04	169
22	16 Ceti β ...	+ 2.9995	- 0.0055	+ 0.013	- 19.796	+ 0.080	- 0.02	106
23	W. B. E. 0.628 ...	+ 3.0575	+ 0.0020	...	- 19.794	+ 0.080	...	...
24	... ..	+ 2.6579	- 0.0340	...	- 19.750	+ 0.075	...	...
25	W. B. E. 0.697 ...	+ 3.0503	+ 0.0015	...	- 19.733	+ 0.057	...	...
26	W. B. E. 0.705 ...	+ 3.0534	+ 0.0019	...	- 19.732	+ 0.057	...	...
27	63 Piscium δ ...	+ 3.1012	+ 0.0077	+ 0.003	- 19.723	+ 0.000	+ 0.05	222
28	W. B. E. 0.716 ...	+ 3.0526	+ 0.0018	...	- 19.722	+ 0.088	...	...
29	20 Ceti ...	+ 3.0632	+ 0.0034	- 0.004	- 19.650	+ 0.097	+ 0.01	242
30	... ..	+ 2.6143	- 0.0328	...	- 19.622	+ 0.084	...	...
31	α^1 Toucani ...	+ 2.5116	- 0.0327	...	- 19.615	+ 0.084	...	251
32	... ..	+ 2.4951	- 0.0323	...	- 19.598	+ 0.083	...	...
33	... ..	+ 2.8002	- 0.0183	...	- 19.598	+ 0.005	...	...
34	Lacaille 264 ...	+ 2.4502	- 0.0318	...	- 19.564	+ 0.057	...	...
35	R. P. L. 12 ...	+ 6.8496	+ 1.2942	+ 0.065	- 19.561	+ 0.228	+ 0.01	262

17.—Proper motions from "Greenwich Catalogue 1872"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimate.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
36	R. P. L. 14	6.2	...	0	54	13.70	3	34	11.2	2	0.30
37	71 Piscium ϵ	4.5	...	0	55	59.41	82	49	54.5	3	0.50
38	29 Ceti	6.3	...	1	1	5.11	88	42	27.6	1	0.00
39	... ..	8.5	2	1	5	50.93	129	52	25.2	2	0.50
40	56 Piscium 3 ... 1st...	5.4	...	1	6	43.79	83	8	4.1	1	0.66
41	S Cassiopeiæ Var. 4	...	...	1	9	50.73	18	5	43.0	1	0.00
42	1 Ursæ Minoris α (<i>Polaris</i>)	2.2	...	1	9	57.44	1	24	17.1	5	0.74
43	... ..	9.2	1	1	10	14.74	81	49	4.0	1	0.89
44	... ..	7.7	1	1	17	6.18	96	30	47.4	1	0.66
45	45 Ceti θ^1	3.8	...	1	17	19.51	98	52	33.2	7	0.00
46	Taylor 465... ..	7.1	1	1	19	35.95	91	5	46.4	1	0.77
47	R Piscium Var. 1... ..	9.2	2	1	23	43.52	87	48	41.9	3	0.57
48	99 Piscium η	4.5	...	1	24	18.91	75	20	45.9	5	0.57
49	... ..	7.9	1	1	29	5.38	150	41	58.6	1	0.93
50	Taylor 525... ..	6.5	2	1	30	13.40	148	49	30.4	2	0.88
51	... ..	9.0	1	1	31	28.14	130	51	40.5	1	0.85
52	α Eridani (<i>Achernar</i>)	1.0	...	1	32	43.25	147	55	6.4	2	0.88
53	106 Piscium ν	4.7	...	1	34	27.55	85	11	29.9	9	0.86
54	110 Piscium ϵ	4.4	...	1	38	19.21	81	31	4.1	2	0.73
55	... ..	9.0	1	1	39	57.76	149	20	43.5	1	0.83
56	Lacaille 516	8.0	1	1	40	2.29	151	41	28.7	2	0.57
57	... ..	9.3	3	1	42	2.02	130	14	36.9	3	0.86
58	δ Arietis β	2.8	...	1	47	14.52	69	50	55.1	6	0.57
59	V Piscium Var. 5... ..	7.6	3	1	47	17.86	81	52	47.6	5	0.89
60	... ..	9.3	1	1	48	36.98	150	4	37.7	1	0.83
61	Lacaille 593	9.2	1	1	52	0.70	149	7	40.1	1	0.82
62	... ..	8.8	2	1	54	57.59	130	55	5.8	2	0.82
63	Taylor 673	7.3	2	1	56	21.89	72	23	31.7	2	0.84
64	13 Arietis α	2.0	...	1	59	37.41	67	10	22.8	9	0.90
65	... ..	9.6	1	1	1	7.28	149	48	25.4	1	0.89
66	... ..	9.5	1	2	2	0.14	130	1	55.3	1	0.82
67	17 Arietis γ	5.4	...	2	5	18.46	69	25	14.0	1	0.81
68	65 Ceti ξ^1	4.4	...	2	5	54.04	81	47	0.5	3	0.85
69	... ..	9.5	1	2	7	2.84	148	28	55.3	1	0.83
70	67 Ceti	5.5	...	2	10	18.03	97	2	29.2	6	0.89

36.—Groombridge 195.

41.—S Cassiopeiæ Var. 1.—Period 615 days.—Range, 7th to 13th magnitude.

47.—R Piscium Var. 1.—Period 345 days.—Range, 7.5 to 12th magnitude.

59.—V Piscium Var. 5.—Supposed to vary between the 6th and 9th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
36	R. P. L. 14...	+ 3.0954	+ 1.9002	- 0.171	- 19.497	+ 0.285	- 0.02	723
37	71 Piscium ϵ ...	+ 3.1127	+ 0.0087	- 0.002	- 19.460	+ 0.119	0.00	288
38	29 Ceti ...	+ 3.0801	+ 0.0058	+ 0.010	- 19.346	+ 0.126	+ 0.46	324
39	... ..	+ 2.7556	- 0.0135	...	- 19.233	+ 0.122	...	...
40	86 Piscium 3... 1st...	+ 3.1183	+ 0.0090	+ 0.008	- 19.211	+ 0.139	+ 0.07	368
41	S Cassiopeiæ Var. 4...	+ 4.2998	+ 0.1621	...	- 19.131	+ 0.106	...	...
42	1 Ura. Min. α (<i>Polaris</i>)	+ 19.4564	+ 13.5506	+ 0.065	- 19.128	+ 0.861	0.00	360
43	... ..	+ 3.1301	+ 0.0099	...	- 19.120	+ 0.146	...	...
44	... ..	+ 3.0218	+ 0.0028	...	- 18.930	+ 0.153	...	...
45	45 Ceti θ^1 ...	+ 3.0029	+ 0.0018	- 0.007	- 18.925	+ 0.154	+ 0.22	420
46	Taylor 465 ...	+ 3.0633	+ 0.0056	...	- 18.858	+ 0.160	...	433
47	R. Piscium Var. 1 ...	+ 3.0904	+ 0.0073	...	- 18.731	+ 0.169	...	...
48	99 Piscium η ...	+ 3.1978	+ 0.0142	0.000	- 18.713	+ 0.176	0.00	453
49	... ..	+ 2.1691	- 0.0135	...	- 18.558	+ 0.128	...	...
50	Taylor 525 ...	+ 2.2244	- 0.0135	...	- 18.521	+ 0.133	...	...
51	... ..	+ 2.6227	- 0.0101	...	- 18.479	+ 0.157	...	...
52	α Eridani (<i>Achernar</i>)...	+ 2.2326	- 0.0128	+ 0.008	- 18.436	+ 0.137	+ 0.07	507
53	106 Piscium ν ...	+ 3.1171	+ 0.0091	- 0.004	- 18.376	+ 0.191	- 0.04	518
54	110 Piscium σ ...	+ 3.1550	+ 0.0111	+ 0.006	- 18.237	+ 0.199	- 0.01	537
55	... ..	+ 2.1152	- 0.0100	...	- 18.177	+ 0.138	...	...
56	Lacaille 516 ...	+ 2.0226	- 0.0065	...	- 18.174	+ 0.133	...	543
57	... ..	+ 2.5818	- 0.0084	...	- 18.100	+ 0.170	...	...
58	ζ Arietis β ...	+ 3.2034	+ 0.0183	+ 0.002	- 17.899	+ 0.226	+ 0.11	577
59	V Piscium Var. 5 ...	+ 3.1681	+ 0.0114	...	- 17.897	+ 0.216	...	...
60	... ..	+ 2.0119	- 0.0067	...	- 17.845	+ 0.142	...	...
61	Lacaille 503 ...	+ 2.0212	- 0.0061	...	- 17.703	+ 0.147	...	...
62	... ..	+ 2.5150	- 0.0069	...	- 17.694	+ 0.184	...	...
63	Taylor 673 ...	+ 3.2784	+ 0.0167	...	- 17.525	+ 0.269	...	632
64	13 Arietis α ...	+ 3.3527	+ 0.0203	+ 0.012	- 17.385	+ 0.252	+ 0.15	648
65	... ..	+ 1.9136	- 0.0028	...	- 17.319	+ 0.148	...	...
66	... ..	+ 2.5021	- 0.0058	...	- 17.279	+ 0.193	...	...
67	17 Arietis η ...	+ 3.3331	+ 0.0188	+ 0.009	- 17.131	+ 0.260	- 0.01	682
68	65 Ceti ζ^1 ...	+ 3.1729	+ 0.0116	- 0.004	- 17.104	+ 0.249	+ 0.04	684
69	... ..	+ 1.9160	- 0.0021	...	- 17.052	+ 0.154	...	...
70	67 Ceti ...	+ 2.9832	+ 0.0049	+ 0.003	- 16.900	+ 0.242	+ 0.14	704

36-40. — Proper motions from "Greenwich Catalogue 1872."

38. — Proper motions from "Greenwich Catalogue 1864."

52. — Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
71	68 Ceti α Var. 1 (<i>Mira</i>) ...	9.9	2	2	12	34.80	93	35	17.3	3	0.57
72	... ..	8.4	1	2	12	42.41	93	35	3.8	1	0.95
73	... ..	9.0	1	2	15	42.84	132	33	38.5	1	0.83
74	... ..	8.1	2	2	16	26.84	151	17	49.5	2	0.59
75	... ..	8.0	1	2	20	14.54	146	32	10.1	2	0.90
76	73 Ceti ξ^1	4.4	...	2	21	2.22	82	8	32.6	6	0.80
77	... ..	9.5	2	2	24	18.22	132	35	7.0	2	0.84
78	... ..	9.0	1	2	24	31.84	147	2	13.4	1	0.83
79	... ..	7.9	1	2	27	28.97	147	11	43.5	1	0.93
80	... ..	9.5	1	2	30	49.02	147	34	23.7	1	0.87
81	... ..	9.3	1	2	31	19.08	151	38	53.4	1	0.96
82	... ..	9.4	2	2	34	5.59	74	56	2.7	2	0.84
83	Lacaille 849 ... 1st...	8.0	1	2	36	3.50	150	8	39.0	1	0.85
84	Lacaille 849 ... 2nd...	8.1	2	2	36	8.68	150	8	43.4	2	0.47
85	86 Ceti γ	3.6	...	2	36	21.44	87	19	51.7	2	0.95
86	μ Ceti	4.4	...	2	37	42.05	80	27	13.5	2	0.85
87	Lacaille 868	8.9	1	2	38	36.29	147	12	40.3	1	0.87
88	W. B. N. 11. 676	8.0	1	2	40	14.67	75	19	53.3	1	0.96
89	... ..	9.4	1	2	41	45.55	151	2	11.3	1	0.01
90	... ..	7.9	1	2	43	21.24	148	0	6.3	1	0.01
91	... ..	8.8	3	2	44	32.29	148	13	19.6	3	0.88
92	... ..	9.2	1	2	45	22.29	76	27	25.2	1	0.96
93	Lacaille 941	6.6	...	2	50	29.86	146	25	35.0	1	0.85
94	... ..	8.0	1	2	52	25.03	150	16	38.6	1	0.01
95	91 Ceti λ	4.6	...	2	52	32.07	81	37	42.6	1	0.73
96	... ..	9.2	1	2	53	18.81	146	43	57.8	1	0.90
97	Lacaille 960	8.0	1	2	54	57.09	144	13	28.7	1	0.96
98	92 Ceti α (<i>Menkar</i>)	2.7	...	2	55	10.60	86	20	17.6	2	0.94
99	25 Persei ρ Var. 2	3.7	...	2	56	35.82	51	40	53.8	1	0.87
100	Taylor 1037	7.0	2	2	56	56.86	150	21	7.1	2	0.94
101	Taylor 1047	8.0	1	2	59	54.06	151	19	22.2	2	0.46
102	57 Arietis δ	4.5	...	3	3	58.17	70	46	58.2	4	0.96
103	Taylor 1081	7.6	2	3	5	15.30	151	30	49.4	2	0.03
104	Taylor 1092	7.2	2	3	7	18.39	148	19	0.3	2	0.89
105	... ..	8.4	2	3	10	22.60	151	43	44.4	2	0.95

71.—68 Ceti α Var. 1 (*Mira*).—Period 331 days.—Range, 2nd to 10th magnitude.

85.—Comparison star for Victoria in 1861.

99.—25 Persei ρ Var. 2.—Changes irregularly from 2.5 to 4.3 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
71	68 Ceti α Var. 1 (Mira)	+ 3.0263	+ 0.0064	- 0.001	- 16.792	+ 0.248	+ 0.23	720
72	... ..	+ 3.0262	+ 0.0064	...	- 16.788	+ 0.249	...	...
73	... ..	+ 1.6349	+ 0.0055	...	- 16.640	+ 0.140	...	...
74	... ..	+ 1.7027	+ 0.0036	...	- 16.604	+ 0.146	...	...
75	... ..	+ 1.9102	- 0.0005	...	- 16.416	+ 0.167	...	...
76	73 Ceti ζ^3	+ 3.1785	+ 0.0117	+ 0.001	- 16.377	+ 0.276	+ 0.02	760
77	... ..	+ 1.5541	+ 0.0083	...	- 16.209	+ 0.141	...	...
78	... ..	+ 1.8565	+ 0.0008	...	- 16.198	+ 0.167	...	...
79	... ..	+ 1.8275	+ 0.0016	...	- 16.043	+ 0.167	...	...
80	... ..	+ 1.7849	+ 0.0027	...	- 15.867	+ 0.166	...	...
81	... ..	+ 1.5526	+ 0.0084	...	- 15.840	+ 0.146	...	...
82	... ..	+ 3.2963	+ 0.0154	...	- 15.690	+ 0.306	...	...
83	Lacaille 849 ... 1st...	+ 1.6058	+ 0.0071	...	- 15.591	+ 0.154	...	...
84	Lacaille 849 ... 2nd...	+ 1.6051	+ 0.0071	...	- 15.577	+ 0.154	...	...
85	86 Ceti γ	+ 3.1114	+ 0.0094	- 0.011	- 15.566	+ 0.294	+ 0.19	837
86	μ Ceti... ..	+ 3.2149	+ 0.0120	...	- 15.402	+ 0.305	...	845
87	Lacaille 868	+ 1.7477	+ 0.0040	...	- 15.443	+ 0.170	...	...
88	W. B. N. 11. 676 ...	+ 3.2974	+ 0.0150	...	- 15.349	+ 0.315	...	...
89	... ..	+ 1.5052	+ 0.0090	...	- 15.264	+ 0.149	...	...
90	... ..	+ 1.6727	+ 0.0057	...	- 15.173	+ 0.167	...	...
91	... ..	+ 1.6523	+ 0.0062	...	- 15.105	+ 0.165	...	...
92	... ..	+ 3.2848	+ 0.0144	...	- 15.057	+ 0.322	...	...
93	Lacaille 911	+ 1.7080	+ 0.0053	...	- 14.756	+ 0.175	...	...
94	... ..	+ 1.4719	+ 0.0107	...	- 14.643	+ 0.153	...	...
95	91 Ceti λ	+ 3.2066	+ 0.0117	+ 0.006	- 14.635	+ 0.326	+ 0.03	929
96	... ..	+ 1.6737	+ 0.0060	...	- 14.589	+ 0.174	...	...
97	Lacaille 969	+ 1.7893	+ 0.0040	...	- 14.490	+ 0.186	...	...
98	92 Ceti α (Menkar) ...	+ 3.1296	+ 0.0098	- 0.002	- 14.470	+ 0.323	+ 0.11	949
99	25 Persei ρ Var. 2 ...	+ 3.8080	+ 0.0332	+ 0.010	- 14.390	+ 0.303	+ 0.11	953
100	Taylor 1037	+ 1.4334	+ 0.0116	...	- 14.368	+ 0.153	...	...
101	Taylor 1047	+ 1.3444	+ 0.0130	...	- 14.187	+ 0.145	...	968
102	57 Arietis δ	+ 3.4073	+ 0.0171	+ 0.010	- 13.933	+ 0.364	0.00	986
103	Taylor 1081	+ 1.2792	+ 0.0166	...	- 13.852	+ 0.141	...	992
104	Taylor 1092	+ 1.4922	+ 0.0100	...	- 13.721	+ 0.165	...	1002
105	... ..	+ 2.1916	+ 0.0011	...	- 13.524	+ 0.242	...	...

76.—Proper motions from "Greenwich Catalogue 1872"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
106	Taylor 1127	8.4	1	3	11	51.76	131	45	53.9	1	0.96
107	... ..	8.6	1	3	12	27.91	130	57	46.0	1	0.81
108	... ..	8.3	2	3	12	45.67	130	49	40.1	2	0.02
109	33 Persei α	1.9	...	3	14	46.03	40	37	7.6	1	0.95
110	... ..	9.5	1	3	14	53.84	150	5	53.5	2	0.91
111	3 ^d Reticuli	5.7	...	3	15	18.58	153	1	7.3	1	0.90
112	... ..	7.2	2	3	20	37.07	149	28	6.1	2	0.49
113	... ..	9.5	1	3	20	47.00	64	47	20.0	1	0.90
114	R Persei Var. 3	9.7	1	3	21	31.83	64	47	35.8	1	0.97
115	R. P. L. 34	5.8	...	3	22	52.53	3	40	53.6	2	0.33
116	5 Tauri <i>f</i>	4.3	...	3	23	28.55	77	31	30.7	2	0.81
117	Lacaille 1143	6.0	...	3	27	3.03	153	24	39.7	1	0.01
118	Lacaille 1149	7.7	3	3	28	40.00	150	18	42.4	4	0.47
119	... ..	6.9	2	3	30	15.80	151	50	36.2	2	0.95
120	Lacaille 1159	6.5	1	3	30	18.78	151	28	12.0	1	0.04
121	Lacaille 1192	9.0	1	3	35	1.42	147	43	21.1	1	0.00
122	... ..	8.9	2	3	35	22.15	150	12	54.1	2	0.03
123	Taylor 1256	7.9	1	3	35	29.64	150	12	52.0	1	0.01
124	Lacaille 1200	6.9	1	3	36	27.19	146	40	8.7	1	0.81
125	... ..	9.0	2	3	38	9.04	136	12	30.7	2	0.47
126	... ..	8.0	1	3	39	27.28	66	30	8.1	1	0.90
127	25 Tauri η (Alyona)	3.0	...	3	39	31.28	66	18	43.9	3	0.96
128	... ..	8.6	1	3	45	18.58	76	27	23.9	1	0.01
129	... ..	8.0	1	3	46	35.09	140	33	17.2	1	0.02
130	... ..	7.9	3	3	48	5.94	150	49	51.9	3	0.02
131	34 Eridani γ^1	3.1	...	3	51	46.71	103	53	30.3	4	0.70
132	... ..	9.9	1	3	53	9.39	128	25	1.1	1	0.90
133	35 Tauri λ Var. 1	3.6	...	3	53	15.44	77	53	27.7	2	0.81
134	Lacaille 1327	6.0	1	3	54	20.29	153	51	5.8	1	0.94
135	R. P. L. 35	6.7	...	3	55	26.91	4	48	12.9	3	0.77
136	Lacaille 1347	7.1	1	3	58	9.32	140	2	15.5	1	0.01
137	Lalande 7581	8.0	2	3	58	20.55	74	52	1.1	2	0.02
138	Lacaille 1359	7.9	1	4	0	3.62	157	49	46.8	1	0.04
139	Lacaille 1375	8.0	...	4	2	57.10	148	50	28.3	1	0.03
140	Lalande 7764	7.9	1	4	3	35.03	74	43	32.6	1	0.93

114.—R Persei Var. 3.—Period 209 days.—Range, 8.5 to 12.5 magnitude.

115.—Greenbridge 512.

133.—35 Tauri λ Var. 1.—Period 3.95 days.—Range, 3.5 to 4.3 magnitude.

135.—Greenbridge 750.

137.—140.—Comparison stars for Arcturus in 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
106	Taylor 1127 ..	+ 2.1853	+ 0.0012	...	- 13.429	+ 0.243	...	...
107	... ..	+ 2.2080	+ 0.0011	...	- 13.390	+ 0.246	...	...
108	... ..	+ 2.2110	+ 0.0012	...	- 13.370	+ 0.246	...	...
109	33 Persei α ...	+ 4.2430	+ 0.0483	+ 0.002	- 13.238	+ 0.472	+ 0.05	1043
110	... ..	+ 1.3247	+ 0.0138	...	- 13.230	+ 0.151	...	...
111	5 ^h Reticuli ...	+ 1.0952	+ 0.0203	+ 0.190	- 13.203	+ 0.126	- 0.65	1051
112	... ..	+ 1.3316	+ 0.0133	...	- 12.489	+ 0.155	...	...
113	... ..	+ 3.7970	+ 0.0279	...	- 12.839	+ 0.431	...	...
114	R. Persei Var 3 ...	+ 3.7088	+ 0.0278	...	- 12.788	+ 0.432	...	...
115	R. P. L. 34 ...	+ 18.7270	+ 3.2030	+ 0.136	- 12.697	+ 2.119	+ 0.06	1061
116	5 Tauri f ...	+ 3.3015	+ 0.0130	+ 0.002	- 12.656	+ 0.379	+ 0.03	1087
117	Lacaille 1143 ...	+ 0.9740	+ 0.0227	...	- 12.413	+ 0.117	...	1103
118	Lacaille 1149 ...	+ 1.2199	+ 0.0156	...	- 12.301	+ 0.146	...	...
119	... ..	+ 1.0885	+ 0.0190	...	- 12.190	+ 0.131	...	...
120	Lacaille 1159 ...	+ 1.1190	+ 0.0160	...	- 12.188	+ 0.135	...	...
121	Lacaille 1192 ...	+ 1.3619	+ 0.0120	...	- 11.857	+ 0.165	...	...
122	... ..	+ 1.1861	+ 0.0159	...	- 11.833	+ 0.145	...	...
123	Taylor 1256 ...	+ 1.1854	+ 0.0159	...	- 11.825	+ 0.145	...	1141
124	Lacaille 1220 ...	+ 1.4250	+ 0.0107	...	- 11.755	+ 0.173	...	...
125	... ..	+ 1.5362	+ 0.0044	...	- 11.634	+ 0.223	...	...
126	... ..	+ 3.5475	+ 0.0176	...	- 11.542	+ 0.428	...	...
127	25 Tauri η (Aleyone) ...	+ 3.5518	+ 0.0177	+ 0.001	- 11.538	+ 0.430	+ 0.06	1166
128	... ..	+ 3.3402	+ 0.0124	...	- 11.120	+ 0.410	...	...
129	... ..	+ 1.3913	+ 0.0111	...	- 11.026	+ 0.173	...	...
130	... ..	+ 1.0027	+ 0.0177	...	- 10.916	+ 0.135	...	...
131	34 Eridani γ^1 ...	+ 2.7918	+ 0.0047	+ 0.002	- 10.645	+ 0.351	+ 0.12	1234
132	... ..	+ 2.1700	+ 0.0030	...	- 10.542	+ 0.274	...	...
133	35 Tauri λ Var. I ...	+ 3.3162	+ 0.0115	- 0.002	- 10.534	+ 0.416	+ 0.02	1241
134	Lacaille 1327 ...	+ 0.7480	+ 0.0250	...	- 10.453	+ 0.097	...	1248
135	R. P. L. 35... ..	+ 16.6903	+ 1.8176	+ 0.057	- 10.370	+ 2.088	- 0.05	1235
136	Lacaille 1347 ...	+ 1.1512	+ 0.0148	...	- 10.168	+ 0.140	...	...
137	Lalande 7581 ...	+ 3.8830	+ 0.0124	...	- 10.153	+ 0.430	...	...
138	Lacaille 1350 ...	+ 1.2312	+ 0.0131	...	- 10.023	+ 0.160	...	...
139	Lacaille 1375 ...	+ 1.1431	+ 0.0144	...	- 9.804	+ 0.149	...	...
140	Lalande 7764 ...	+ 3.3912	+ 0.0121	...	- 9.751	+ 0.436	...	...

111.—Proper motions from "S. ne's *Cape Catalogue*."115.—116.—133.—135.—Proper motions from "*Greenwich Catalogue 1872*."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
141	38 Eridani ϵ^1	4.1	...	4	5	19.49	97	11	21.4	5	0.38
142	... ..	7.9	3	4	9	20.94	149	30	52.0	3	0.02
143	... ..	8.6	2	4	9	50.78	129	18	33.6	2	0.03
144	Lacaille 1425	6.2	1	4	13	2.82	152	31	45.8	1	0.90
145	... ..	8.9	1	4	13	54.70	70	51	13.1	1	0.94
146	U Tauri Var. 7	10.0	2	4	14	0.68	70	30	28.3	2	0.51
147	61 Tauri δ^1	4.0	...	4	15	12.56	72	46	26.5	1	0.89
148	... ..	9.5	...	4	15	44.32	128	39	53.4	1	0.03
149	... ..	8.0	1	4	16	48.11	149	4	5.9	1	0.03
150	74 Tauri ϵ	3.7	...	4	20	47.66	71	7	12.0	8	0.38
151	R Tauri Var. 2	9.3	2	4	20	57.31	80	8	22.4	2	0.04
152	... ..	10.2	1	4	22	8.78	80	27	46.8	1	0.05
153	... ..	10.2	1	4	22	28.55	80	20	59.4	1	0.04
154	Lacaille 1519	7.0	1	4	25	37.01	153	5	51.5	1	0.04
155	Lacaille 1520	8.6	1	4	26	43.66	147	28	44.9	1	0.06
156	57 Tauri α (Aldebaran) ...	1.0	...	4	28	13.99	73	45	47.8	8	0.26
157	... ..	8.2	1	4	28	30.89	140	14	2.3	1	0.06
158	... ..	9.1	1	4	31	45.76	142	59	20.4	1	0.04
159	... ..	9.6	2	4	33	0.97	130	47	68.7	2	0.06
160	... ..	8.5	1	4	33	41.76	67	31	51.3	1	0.96
161	... ..	9.0	1	4	33	55.66	130	51	24.4	1	0.01
162	... ..	8.7	1	4	34	32.09	144	55	36.0	1	0.04
163	95 Tauri	7.2	2	4	35	7.08	66	10	6.2	2	0.50
164	Lacaille 1567	5.5	...	4	35	12.58	152	20	33.3	1	0.02
165	Lacaille 1566	7.8	1	4	35	48.08	148	28	9.4	1	0.06
166	... ..	9.7	1	4	36	26.88	64	19	0.9	1	0.06
167	Lacaille 1583	7.5	3	4	37	29.21	152	38	28.6	3	0.04
168	... ..	9.3	1	4	39	34.52	128	56	48.6	1	0.03
169	... ..	8.9	1	4	40	21.05	151	20	41.8	1	0.04
170	Lacaille 1598	7.8	2	4	41	41.63	129	21	24.3	3	0.06
171	α Doradus	5.6	.	4	42	20.44	149	53	46.3	1	0.06
172	... ..	9.5	2	4	43	24.74	130	41	0.2	2	0.05
173	... ..	9.7	1	4	45	32.92	129	24	49.9	1	0.03
174	... ..	7.7	1	4	45	57.41	153	3	51.4	1	0.04
175	Lacaille 1656	7.7	2	4	47	57.98	149	1	48.2	2	0.06

141.—U Tauri Var. 7.—Period unknown.—Range, 9th to 10th magnitude.

151.—R Tauri Var. 2.—Period 325 days.—Range, 8th to below 13th magnitude.

169.—The Mean Polar Distance of this star is undoubtedly about 30' too small.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
141	38 Eridani ϵ^1	+ 2.9241	+ 0.0058	- 0.002	- 9.621	+ 0.379	- 0.07	1290
142	... ..	+ 1.0607	+ 0.0155	...	- 9.311	+ 0.141	...	...
143	... ..	+ 2.1016	+ 0.0035	...	- 9.272	+ 0.276	...	...
144	Lacaille 1425	+ 0.7756	+ 0.0210	...	- 9.023	+ 0.105	...	...
145	... ..	+ 3.4874	+ 0.0128	...	- 8.956	+ 0.459	...	...
146	U Tauri Var. 7	+ 3.4958	+ 0.0129	...	- 8.948	+ 0.460	...	...
147	61 Tauri δ^1	+ 3.4440	+ 0.0119	+ 0.004	- 8.854	+ 0.455	+ 0.03	1316
148	... ..	+ 2.1112	+ 0.0035	...	- 8.812	+ 0.281	...	...
149	... ..	+ 1.0633	+ 0.0146	...	- 8.728	+ 0.144	...	...
150	74 Tauri ϵ	+ 3.4871	+ 0.0120	+ 0.005	- 8.413	+ 0.466	+ 0.03	1376
151	R Tauri Var. 2	+ 3.2832	+ 0.0092	...	- 8.400	+ 0.439	...	...
152	... ..	+ 3.2765	+ 0.0090	...	- 8.305	+ 0.439	...	...
153	... ..	+ 3.2792	+ 0.0090	...	- 8.279	+ 0.440	...	...
154	Lacaille 1519	+ 0.6574	+ 0.0212	...	+ 8.028	+ 0.091	...	...
155	Lacaille 1520	+ 1.1464	+ 0.0122	...	- 7.939	+ 0.157	...	...
156	87 Tauri α (Aldebaran)	+ 3.4301	+ 0.0105	+ 0.004	- 7.818	+ 0.464	+ 0.17	1420
157	... ..	+ 1.5917	+ 0.0067	...	- 7.794	+ 0.217	...	...
158	... ..	+ 1.4285	+ 0.0082	...	- 7.532	+ 0.196	...	...
159	... ..	+ 2.0001	+ 0.0040	...	- 7.430	+ 0.274	...	...
160	... ..	+ 3.5863	+ 0.0122	...	- 7.375	+ 0.489	...	...
161	... ..	+ 1.9961	+ 0.0040	...	- 7.356	+ 0.274	...	...
162	... ..	+ 1.2987	+ 0.0095	...	- 7.306	+ 0.180	...	...
163	95 Tauri	+ 3.6227	+ 0.0125	+ 0.004	- 7.259	+ 0.495	+ 0.00	1453
164	Lacaille 1567	+ 0.6035	+ 0.0186	...	- 7.252	+ 0.097	...	...
165	Lacaille 1566	+ 1.0353	+ 0.0128	...	- 7.204	+ 0.144	...	...
166	... ..	+ 3.6728	+ 0.0130	...	- 7.151	+ 0.503	...	...
167	Lacaille 1582	+ 0.6545	+ 0.0189	...	- 7.078	+ 0.092	...	1496
168	... ..	+ 2.0570	+ 0.0037	...	- 6.894	+ 0.285	...	...
169	... ..	+ 0.7719	+ 0.0163	...	- 6.831	+ 0.109	...	...
170	Lacaille 1598	+ 2.0754	+ 0.0036	...	- 6.720	+ 0.288	...	...
171	κ Doradus	+ 0.8898	+ 0.0141	...	- 6.667	+ 0.125	...	1489
172	... ..	+ 1.9563	+ 0.0040	...	- 6.578	+ 0.277	...	...
173	... ..	+ 2.0308	+ 0.0037	...	- 6.401	+ 0.284	...	...
174	... ..	+ 0.5771	+ 0.0186	...	- 6.368	+ 0.083	...	...
175	Lacaille 1656...	+ 0.9534	+ 0.0124	...	- 6.200	+ 0.135	...	...

164.—Proper motions from "Greenwich Catalogue 1964."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
176	3 Aurigæ <i>ε</i>	2.7	...	4	48	16.25	57	2	58.5	5	0.03
177	Taylor 1761	7.3	3	4	50	3.66	120	18	27.6	3	0.36
178	... ..	10.6	2	4	51	32.81	82	8	34.4	2	0.04
179	7 Aurigæ <i>ε</i> Var. 1 ...	3.2	...	4	52	21.37	46	22	44.9	3	0.36
180	R Leporis Var. 1 ...	8.4	3	4	53	30.44	105	0	35.1	3	0.07
181	... ..	8.1	3	4	53	50.83	153	0	34.6	3	0.34
182	Taylor 1797	6.9	1	4	54	53.12	148	16	46.9	1	0.33
183	... ..	9.3	1	4	56	0.56	130	17	34.8	1	0.04
184	Lacaille 1697	7.7	1	4	56	55.18	129	6	50.2	1	0.10
185	Taylor 1811	6.4	...	4	57	6.90	129	54	54.8	1	0.06
186	2 Leporis <i>ε</i>	3.3	...	4	59	47.37	112	33	12.5	7	0.19
187	... ..	8.6	3	5	0	3.49	135	23	44.8	3	0.07
188	... ..	9.7	2	5	1	45.78	151	35	59.8	2	0.05
189	Lacaille 1736	8.3	2	5	4	0.34	154	43	33.2	2	0.06
190	... ..	9.6	1	5	4	37.84	135	34	30.2	1	0.07
191	Lacaille 1757	8.0	2	5	4	54.21	150	3	12.5	2	0.08
192	13 Aurigæ <i>α</i> (Capella) ...	0.2	...	5	6	47.56	44	8	33.1	2	0.07
193	... ..	8.5	2	5	6	56.10	120	5	53.7	2	0.08
194	10 Orionis <i>β</i> (Rigel) ...	0.3	...	5	8	5.02	98	21	33.5	3	0.34
195	... ..	9.5	4	5	10	59.92	120	48	23.1	4	0.06
196	... ..	9.6	3	5	12	1.34	129	46	40.7	3	0.06
197	... ..	9.5	2	5	12	55.92	137	4	37.6	2	0.05
198	... ..	8.4	2	5	13	25.60	153	41	34.0	2	0.09
199	... ..	8.1	2	5	14	51.44	153	29	12.0	2	0.09
200	Lacaille 1822	8.0	1	5	15	45.73	141	43	6.5	1	0.08
201	... ..	8.0	1	5	17	39.98	153	7	14.4	1	0.07
202	112 Teori <i>β</i>	1.9	...	5	17	46.37	61	30	34.1	9	0.15
203	R. P. L. 40	6.4	...	5	19	21.52	4	52	50.8	1	0.45
204	Lacaille 1831	8.0	1	5	21	42.03	137	12	45.9	1	0.05
205	... ..	10.3	1	5	21	50.13	50	40	53.6	1	0.05
206	... ..	7.0	1	5	22	36.02	152	42	0.9	1	0.06
207	... ..	7.7	2	5	23	31.55	151	13	50.9	2	0.08
208	Λ Doradæ	5.6	...	5	24	25.00	140	1	36.1	1	0.08
209	34 Orionis <i>δ</i> Var. 1 ...	2.4	...	5	25	9.71	10	24	5.6	7	0.05
210	... ..	8.6	2	5	25	15.57	130	35	10.1	2	0.11

179—*ε* Aurigæ Var. 1.—Supposed to be irregularly variable.

180.—R Leporis Var. 1.—Period 428 days. Range, 6th to 9th magnitude.

203—Greenbridge 944.

205—Observed in mistake for Antares in 1874.

209.—*δ* Orionis Var. 1.—Supposed to vary irregularly from 2.3 to 2.7 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
176	3 Aurigæ ...	+ 3.8965	+ 0.0144	- 0.003	- 6.175	+ 0.544	+ 0.02	1520
177	Taylor 1781 ...	+ 2.0281	+ 0.0086	...	- 6.025	+ 0.285	...	...
178	... ..	+ 3.2485	+ 0.0068	...	- 5.901	+ 0.450	...	...
179	7 Aurigæ e Var. 1 ...	+ 4.2912	+ 0.0199	0.000	- 5.834	+ 0.602	0.00	1540
180	R Leporis Var. 1 ...	+ 2.7287	+ 0.0088	...	- 5.738	+ 0.382	...	...
181	... ..	+ 0.5556	+ 0.0172	...	- 5.709	+ 0.080	...	...
182	Taylor 1797 ...	+ 0.0958	+ 0.0111	...	- 5.622	+ 0.141	...	...
183	... ..	+ 1.0825	+ 0.0088	...	- 5.527	+ 0.280	...	...
184	Lacaille 1697 ...	+ 2.0258	+ 0.0086	...	- 5.450	+ 0.286	...	...
185	Taylor 1811 ...	+ 1.9955	+ 0.0088	...	- 5.434	+ 0.282	...	1561
186	2 Leporis e ...	+ 2.5358	+ 0.0083	+ 0.001	- 5.208	+ 0.359	+ 0.08	1575
187	... ..	+ 1.7626	+ 0.0046	...	- 5.185	+ 0.250	...	...
188	... ..	+ 0.6788	+ 0.0138	...	- 5.041	+ 0.008	...	...
189	Lacaille 1756 ...	+ 0.3245	+ 0.0183	...	- 4.851	+ 0.048	...	...
190	... ..	+ 1.7476	+ 0.0045	...	- 4.798	+ 0.250	...	...
191	Lacaille 1757 ...	+ 0.8165	+ 0.0117	...	- 4.775	+ 0.118	...	...
192	13 Aurigæ a (Capella) ...	+ 4.4126	+ 0.0173	+ 0.008	- 4.615	+ 0.620	+ 0.43	1613
193	... ..	+ 2.0146	+ 0.0085	...	- 4.602	+ 0.288	...	...
194	19 Orionis β (Rigel) ...	+ 2.8805	+ 0.0040	- 0.001	- 4.503	+ 0.412	+ 0.02	1623
195	... ..	+ 1.9833	+ 0.0086	...	- 4.256	+ 0.285	...	...
196	... ..	+ 1.0833	+ 0.0036	...	- 4.168	+ 0.285	...	...
197	... ..	+ 1.6046	+ 0.0046	...	- 4.080	+ 0.230	...	...
198	... ..	+ 0.4233	+ 0.0144	...	- 4.046	+ 0.062	...	...
199	... ..	+ 0.4439	+ 0.0138	...	- 3.925	+ 0.065	...	...
200	Lacaille 1822 ...	+ 1.4094	+ 0.0057	...	- 3.847	+ 0.204	...	...
201	... ..	+ 0.4793	+ 0.0128	...	- 3.685	+ 0.070	...	...
202	112 Tauri β ...	+ 3.7855	+ 0.0082	+ 0.003	- 3.670	+ 0.545	+ 0.20	1681
203	R. P. L. 40 ...	+ 18.4917	+ 0.6779	...	- 3.537	+ 2.655	...	1662
204	Lacaille 1854 ...	+ 1.6477	+ 0.0042	...	- 3.236	+ 0.238	...	...
205	... ..	+ 3.8432	+ 0.0081	...	- 3.224	+ 0.554	...	...
206	... ..	+ 0.5162	+ 0.0113	...	- 3.258	+ 0.075	...	...
207	... ..	+ 0.6687	+ 0.0008	...	- 3.179	+ 0.097	...	...
208	λ Doradus ...	+ 0.8715	+ 0.0081	...	- 3.106	+ 0.127	...	1729
209	84 Orionis δ Var. 1 ...	+ 3.0028	+ 0.0033	+ 0.001	- 3.087	+ 0.413	+ 0.04	1730
210	... ..	+ 1.9398	+ 0.0034	...	- 3.028	+ 0.281	...	...

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
211	...	8.9	1	5	25	35.87	155	5	13.4	1	0.08
212	11 Leporis α	2.7	...	5	26	49.22	107	55	15.0	4	0.06
213	Taylor 2057	7.1	1	5	28	2.63	151	55	34.1	1	0.12
214	Lalande 10532	8.4	3	5	29	16.24	78	15	7.6	3	0.07
215	46 Orionis ϵ	1.8	...	5	29	21.93	91	17	26.8	3	0.06
216	123 Tauri ζ	3.0	...	5	29	38.27	68	56	32.8	3	0.31
217	...	9.5	2	5	29	48.88	135	21	58.3	2	0.08
218	...	8.0	2	5	31	0.06	150	12	57.7	2	0.51
219	...	9.2	1	5	31	41.90	128	42	10.0	1	0.05
220	Lacaille 1940	5.9	...	5	32	16.49	151	10	1.5	1	0.10
221	...	8.6	2	5	32	41.05	150	11	29.9	2	0.06
222	...	9.2	1	5	32	45.99	128	41	10.5	1	0.05
223	...	8.7	3	5	34	21.52	152	7	54.8	3	0.09
224	α Columbae	2.7	...	5	34	47.57	124	8	51.6	4	0.04
225	Lacaille 1971	7.1	1	5	36	23.41	149	11	28.0	1	0.13
226	...	9.3	1	5	36	47.41	129	57	50.1	1	0.04
227	...	9.0	1	5	38	27.74	130	5	21.5	1	0.09
228	...	8.7	1	5	39	17.54	79	0	11.3	1	0.06
229	Taylor 2145	6.7	...	5	39	53.16	135	53	44.3	1	0.06
230	...	9.0	1	5	39	56.57	135	48	5.0	1	0.08
231	W. B. E. V. 1011	8.3	3	5	40	35.62	78	57	39.5	3	0.07
232	Lacaille 1981	7.6	1	5	40	45.63	130	15	18.7	1	0.11
233	...	7.3	2	5	42	10.25	137	3	31.1	2	0.10
234	...	9.1	1	5	43	28.67	130	6	52.2	1	0.05
235	51 Orionis χ^1	4.7	...	5	46	26.91	60	45	8.1	1	0.07
236	...	9.0	1	5	47	4.91	135	46	40.6	1	0.12
237	Lalande 11106	8.0	3	5	47	5.18	78	52	38.0	3	0.07
238	58 Orionis α (<i>Belgeus</i>)	0.9	...	5	47	55.03	82	27	15.3	2	0.09
239	...	7.9	1	5	49	57.28	135	43	6.9	1	0.11
240	Lacaille 2073	7.7	1	5	50	31.02	137	12	37.4	1	0.12
241	...	9.5	1	5	51	0.87	130	42	58.4	1	0.10
242	...	8.8	2	5	52	45.06	129	32	33.4	2	0.09
243	R. P. L. 43	6.6	...	5	52	54.67	3	14	19.5	1	0.09
244	...	7.8	1	5	53	20.71	131	7	14.1	1	0.10
245	Lalande 11455	7.5	2	5	55	56.16	78	19	12.6	3	0.08

237.—245.—Comparison stars for Sappho in 1865.

238.— α Orionis Var 2 (*Belgeus*). Irregularly variable from 4.0 to 1.5 magnitude.

243.—Gr.—bridge 1004.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
211	...	+ 0.1232	+ 0.0143	...	- 2.099	+ 0.019	...	...
212	11 Leporis α ...	+ 2.6411	+ 0.0029	+ 0.001	- 2.893	+ 0.383	0.00	1741
213	Taylor 2057 ...	+ 0.5897	+ 0.0096	...	- 2.791	+ 0.080	...	...
214	Lalande 10532 ...	+ 3.3476	+ 0.0045	...	- 2.681	+ 0.485	...	...
215	46 Orionis ϵ ...	+ 3.0422	+ 0.0035	- 0.002	- 2.669	+ 0.441	+ 0.01	1765
216	123 Tauri 3 ...	+ 3.5824	+ 0.0055	0.000	- 2.649	+ 0.519	+ 0.05	1767
217	...	+ 1.7296	+ 0.0037	...	- 2.633	+ 0.251	...	...
218	...	+ 0.7548	+ 0.0079	...	- 2.530	+ 0.110	...	...
219	...	+ 2.0090	+ 0.0031	...	- 2.471	+ 0.292	...	...
220	Lacaille 1949 ...	+ 0.3123	+ 0.0106	...	- 2.420	+ 0.046	...	1700
221	...	+ 0.7548	+ 0.0076	...	- 2.380	+ 0.110	...	...
222	...	+ 2.0090	+ 0.0030	...	- 2.378	+ 0.292	...	...
223	...	+ 0.5594	+ 0.0085	...	- 2.239	+ 0.082	...	...
224	α Columbe ...	+ 2.1707	+ 0.0027	+ 0.008	- 2.201	+ 0.316	0.00	1802
225	Lacaille 1971 ...	+ 0.8420	+ 0.0066	...	- 2.063	+ 0.123	...	...
226	...	+ 1.9574	+ 0.0030	...	- 2.027	+ 0.255	...	...
227	...	+ 1.9516	+ 0.0030	...	- 1.882	+ 0.284	...	...
228	...	+ 3.3309	+ 0.0036	...	- 1.810	+ 0.485	...	...
229	Taylor 2145 ...	+ 1.6380	+ 0.0033	...	- 1.758	+ 0.248	...	1836
230	...	+ 1.7024	+ 0.0033	...	- 1.753	+ 0.248	...	...
231	W. B. R. V. 1011 ...	+ 3.3320	+ 0.0034	...	- 1.696	+ 0.455	...	...
232	Lacaille 1984 ...	+ 1.9441	+ 0.0030	...	- 1.681	+ 0.284	...	...
233	...	+ 1.6398	+ 0.0034	...	- 1.561	+ 0.230	...	...
234	...	+ 1.9186	+ 0.0025	...	- 1.444	+ 0.285	...	...
235	54 Orionis χ^1 ...	+ 3.5645	+ 0.0034	- 0.016	- 1.185	+ 0.520	+ 0.10	1876
236	...	+ 1.7003	+ 0.0030	...	- 1.130	+ 0.248	...	...
237	Lalande 11166 ...	+ 3.3426	+ 0.0030	...	- 1.125	+ 0.487	...	...
238	58 Orionis <i>Bedou</i> ...	+ 3.2450	+ 0.0027	+ 0.001	- 1.057	+ 0.473	0.00	1883
239	...	+ 1.7025	+ 0.0030	...	- 0.579	+ 0.248	...	...
240	Lacaille 2073 ...	+ 1.0290	+ 0.0030	...	- 0.526	+ 0.297	...	...
241	...	+ 1.9223	+ 0.0027	...	- 0.786	+ 0.280	...	...
242	...	+ 1.9688	+ 0.0026	...	- 0.634	+ 0.287	...	...
243	R. P. L. 43 ...	+ 2.0090	+ 0.0030	...	- 0.621	+ 3.890	...	1879
244	...	+ 1.9624	+ 0.0026	...	- 0.582	+ 0.278	...	...
245	Lalande 11455 ...	+ 3.3481	+ 0.0021	...	- 0.355	+ 0.458	...	...

241-245 - Proper motions from "Greenwich Catalogue 1872"

Mean Positions of Stars for 1865 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	"	"	"		
246	... ..	8.7	1	5	56	13.48	129	57	13.1	1	0.10
247	Taylor 2301	6.9	1	5	58	31.73	148	6	18.0	1	0.10
248	Taylor 2310	6.9	1	5	59	30.09	150	29	3.6	1	0.12
249	... ..	8.0	3	5	59	41.85	129	49	40.0	3	0.12
250	67 Orionis ν	4.4	...	5	59	55.26	75	13	7.3	3	0.08
251	... ..	7.4	2	6	0	54.18	137	28	33.3	2	0.11
252	... ..	8.1	1	6	2	22.02	153	44	41.5	1	0.12
253	Lalande 11732	8.3	3	6	3	29.41	77	58	54.3	3	0.04
254	... ..	7.1	1	6	4	26.32	128	2	35.3	1	0.13
255	... ..	9.2	1	6	5	44.52	77	51	30.8	2	0.06
256	... ..	9.2	...	6	7	29.05	151	18	26.8	1	0.07
257	... ..	8.6	1	6	8	53.73	131	54	47.3	1	0.10
258	... ..	9.0	1	6	8	57.22	130	31	34.8	1	0.10
259	... ..	9.0	2	6	9	31.00	131	50	51.5	2	0.11
260	Lalande 12053	8.4	3	6	12	31.20	68	51	19.5	3	0.13
261	Lalande 12094	8.7	3	6	13	42.23	68	42	3.7	3	0.13
262	Lalande 12120	7.0	1	6	14	12.39	77	4	46.7	1	0.01
263	13 Geminorum μ	3.3	...	6	14	51.18	67	25	16.6	5	0.08
264	Lalande 12155	7.2	2	6	15	5.31	77	22	2.6	2	0.02
265	Lacaille 2273	8.0	1	6	17	4.48	153	58	27.7	1	0.10
266	... ..	8.7	1	6	18	34.05	151	28	28.8	1	0.10
267	Taylor 2455	7.9	1	6	18	31.25	151	16	10.0	1	0.12
268	... ..	9.5	1	6	19	47.28	65	39	59.0	1	0.13
269	α Argos (Canopus)	0.4	...	6	20	53.86	142	38	25.4	1	0.08
270	18 Geminorum ν	4.0	...	6	21	0.35	69	42	23.6	1	0.07
271	Lacaille 2312	7.0	1	6	22	9.80	153	36	40.3	1	0.10
272	... ..	8.4	1	6	22	10.61	128	48	47.6	1	0.12
273	Lacaille 2329	7.0	2	6	24	6.04	154	44	26.7	2	0.12
274	Taylor 2441	6.1	1	6	24	57.21	147	53	4.0	1	0.18
275	Lacaille 2343	7.3	1	6	26	33.08	153	3	45.2	1	0.13
276	... ..	8.7	1	6	28	28.20	130	55	53.1	1	0.10
277	Taylor 2500	6.8	3	6	29	50.78	151	46	52.0	3	0.09
278	24 Geminorum γ	2.0	...	6	29	54.23	73	29	24.2	11	0.14
279	... ..	8.9	2	6	31	24.03	140	0	18.2	2	0.11
280	R Monocerotis Var. 1	10.5	4	6	31	30.07	81	8	56.9	5	0.13

253.—255.—262.—264.—Comparison stars for Rigel in 1865.

269.—261.—Comparison stars for Arcturus in 1865.

280.—R Monocerotis Var. 1.—Irregularly variable from 9.3 to 11.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
246	... ..	+ 1.9522	+ 0.0025	...	- 0.331	+ 0.285	...	...
247	Taylor 2301 ...	+ 0.9236	+ 0.0030	...	- 0.127	+ 0.135	...	1954
248	Taylor 2310 ...	+ 0.7104	+ 0.0030	...	- 0.031	+ 0.104	...	...
249	... ..	+ 1.9560	+ 0.0024	...	- 0.023	+ 0.285	...	...
250	67 Orionis ν ...	+ 3.4248	+ 0.0017	+ 0.001	- 0.007	+ 0.500	+ 0.02	1958
251	... ..	+ 1.6143	+ 0.0024	...	+ 0.078	+ 0.236	...	...
252	... ..	+ 0.3615	+ 0.0025	...	+ 0.206	+ 0.053	...	...
253	Lalande 11732 ...	+ 3.3567	+ 0.0015	...	+ 0.305	+ 0.490	...	...
254	... ..	+ 2.0262	+ 0.0023	...	+ 0.388	+ 0.295	...	...
255	... ..	+ 3.3597	+ 0.0013	...	+ 0.501	+ 0.490	...	...
256	... ..	+ 0.6306	+ 0.0016	...	+ 0.655	+ 0.092	...	...
257	... ..	+ 1.5728	+ 0.0021	...	+ 0.777	+ 0.273	...	...
258	... ..	+ 1.9300	+ 0.0021	...	+ 0.783	+ 0.281	...	...
259	... ..	+ 1.8757	+ 0.0021	...	+ 0.833	+ 0.273	...	...
260	Lalande 12053 ...	+ 3.5584	+ 0.0002	...	+ 1.095	+ 0.523	...	...
261	Lalande 12094 ...	+ 3.6924	0.0000	...	+ 1.192	+ 0.522	...	...
262	Lalande 12120 ...	+ 3.3782	+ 0.0005	...	+ 1.242	+ 0.487	...	...
263	13 Geminorum μ ...	+ 3.6268	- 0.0003	+ 0.005	+ 1.299	+ 0.527	+ 0.14	2017
264	Lalande 12155 ...	+ 3.3711	+ 0.0004	...	+ 1.310	+ 0.490	...	...
265	Lacaille 2273 ...	+ 0.3416	- 0.0014	...	+ 1.492	+ 0.040	...	...
266	... ..	+ 0.6146	- 0.0017	...	+ 1.623	+ 0.089	...	...
267	Taylor 2455 ...	+ 0.6411	- 0.0007	...	+ 1.624	+ 0.092	...	...
268	... ..	+ 3.6745	- 0.0011	...	+ 1.729	+ 0.533	...	...
269	α Argus (Cenopus) ...	+ 1.3292	+ 0.0010	0.000	+ 1.834	+ 0.192	0.00	2006
270	15 Geminorum ν ...	+ 3.5644	- 0.0008	- 0.002	+ 1.837	+ 0.517	+ 0.01	2000
271	Lacaille 2312 ...	+ 0.3002	- 0.0026	...	+ 1.937	+ 0.056	...	...
272	... ..	+ 2.0017	+ 0.0013	...	+ 1.937	+ 0.290	...	...
273	Lacaille 2329 ...	+ 0.3760	- 0.0031	...	+ 2.105	+ 0.054	...	2121
274	Taylor 2341 ...	+ 0.9520	- 0.0006	...	+ 2.178	+ 0.137	...	2124
275	Lacaille 2348 ...	+ 0.5678	- 0.0026	...	+ 2.318	+ 0.081	...	2142
276	... ..	+ 1.9216	+ 0.0016	...	+ 2.485	+ 0.277	...	...
277	Taylor 2559 ...	+ 0.6017	- 0.0031	...	+ 2.605	+ 0.086	...	2166
278	24 Geminorum γ ...	+ 3.4649	- 0.0015	+ 0.001	+ 2.615	+ 0.500	+ 0.04	2163
279	... ..	+ 1.4935	+ 0.0007	...	+ 2.740	+ 0.215	...	...
280	R Monocerotis Var. 1.	+ 3.2793	- 0.0007	...	+ 2.778	+ 0.473	...	...

250.—Proper motions from "Greenwich Catalogue 1872."

269.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
281	... ..	7.7	2	6	34	34.59	130	28	21	2	0.11
282	... ..	8.8	2	6	35	51.37	130	38	10.0	2	0.14
283	Taylor 2652	6.2	1	6	36	34.56	151	24	57.0	1	0.10
284	51 Cephei (Rev.)	5.3	...	6	36	39.57	2	45	25.3	6	0.22
285	Lacaille 2451	8.0	1	6	38	11.31	155	57	45.9	1	0.09
286	... ..	8.4	1	6	39	11.09	131	3	31.3	1	0.12
287	9 Canis Majoris α (Sirius)	1.4	...	6	39	14.34	106	32	5.9	1	0.11
288	... ..	8.0	2	6	40	33.29	131	1	33.9	2	0.06
289	... ..	9.2	1	6	40	33.41	151	58	55.3	1	0.15
290	... ..	8.3	3	6	42	27.48	130	57	4.2	3	0.10
291	... ..	9.0	2	6	42	41.09	130	58	14.6	2	0.12
292	... ..	8.7	1	6	42	41.27	130	36	29.7	1	0.14
293	... ..	7.6	1	6	43	45.01	128	30	32.1	1	0.10
294	... ..	9.3	1	6	44	53.54	128	30	36.7	1	0.15
295	Taylor 2724	8.8	1	6	44	55.86	144	36	11.2	1	0.03
296	... ..	9.6	2	6	46	37.03	130	10	14.4	2	0.11
297	α Pictoris	3.3	...	6	46	49.09	151	47	55.0	2	0.07
298	Lacaille 2532	6.8	1	6	48	14.75	150	5	41.7	1	0.13
299	... ..	9.4	2	6	48	51.59	130	10	24.0	2	0.14
300	... ..	9.1	2	6	48	58.22	129	46	10.2	2	0.13
301	Lacaille 2538	8.0	1	6	51	22.71	114	47	41.4	1	0.14
302	21 Canis Majoris ϵ	1.5	...	6	53	21.65	118	47	30.9	9	0.08
303	... ..	8.0	1	6	53	51.80	129	47	42.6	1	0.10
304	... ..	7.9	2	6	55	39.47	129	38	5.2	2	0.09
305	... ..	9.3	1	6	56	25.28	129	17	31.6	1	0.05
306	23 Canis Majoris γ	4.1	...	6	57	41.79	106	26	15.7	8	0.07
307	Lalande 13707	8.1	2	6	58	13.43	67	0	50.1	2	0.09
308	R Geminorum Var. 2.	7.6	6	6	59	17.19	67	5	37.7	6	0.10
309	... ..	9.1	2	7	0	39.50	00	20	17.7	2	0.13
310	Taylor 2851	7.1	2	7	0	52.36	145	41	58.3	2	0.17
311	... ..	9.2	3	7	1	18.78	61	4	19.7	3	0.13
312	R Canis Minoris Var. 1.	9.7	2	7	1	20.24	79	46	3.1	2	0.14
313	W. H. E. V1. 1920	8.5	2	7	1	34.38	79	41	40.1	2	0.16
314	... ..	9.1	2	7	2	27.73	130	14	40.5	2	0.07
315	... ..	9.4	3	7	5	46.25	60	53	47.4	3	0.12

309.—R Geminorum Var. 2.—Period 371 days.—Range, 7th magnitude to invisibility.

309.—311.—315.—Comparison stars for Jan in 1866.

312.—R Canis Minoris Var. 1.—Period 235 days.—Range, 7.5 to 11th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
281	... ..	+ 1.9445	+ 0.0015	...	+ 3.014	+ 0.279	...	...
282	... ..	+ 1.9387	+ 0.0014	...	+ 3.125	+ 0.278	...	...
283	Taylor 2652 ...	+ 0.6495	- 0.0042	...	+ 3.187	+ 0.092	...	2203
284	51 Cephei (Her.)	+ 30.4815	- 1.8748	- 0.027	+ 3.194	+ 4.387	+ 0.08	2157
285	Lacaille 2451	+ 0.1158	- 0.0092	...	+ 3.326	+ 0.016	...	...
286	... ..	+ 1.9244	+ 0.0014	...	+ 3.413	+ 0.276	...	...
287	9 Can. Maj. α (Sirius)	+ 2.6808	+ 0.0010	- 0.035	+ 3.416	+ 0.384	+ 1.24	2213
288	... ..	+ 1.9270	+ 0.0013	...	+ 3.530	+ 0.275	...	...
289	... ..	+ 0.5986	- 0.0053	...	+ 3.529	+ 0.084	...	...
290	... ..	+ 1.9317	+ 0.0013	...	+ 3.604	+ 0.275	...	...
291	... ..	+ 1.9312	+ 0.0013	...	+ 3.714	+ 0.275	...	...
292	... ..	+ 1.9457	+ 0.0013	...	+ 3.714	+ 0.277	...	...
293	... ..	+ 2.0276	+ 0.0013	...	+ 3.905	+ 0.288	...	...
294	... ..	+ 2.0286	+ 0.0014	...	+ 3.903	+ 0.288	...	...
295	Taylor 2724 ...	+ 1.2265	- 0.0014	...	+ 3.907	+ 0.173	...	...
296	... ..	+ 1.9067	+ 0.0013	...	+ 4.051	+ 0.279	...	...
297	α Pictoris	+ 0.6306	- 0.0063	- 0.010	+ 4.068	+ 0.088	- 0.18	2260
298	Lacaille 2532	+ 0.7988	- 0.0050	...	+ 4.190	+ 0.112	...	...
299	... ..	+ 1.9680	+ 0.0012	...	+ 4.247	+ 0.279	...	...
300	... ..	+ 2.0227	+ 0.0013	...	+ 4.253	+ 0.286	...	...
301	Lacaille 2538	+ 2.4690	+ 0.0013	...	+ 4.458	+ 0.340	...	...
302	21 Canis Majoris ε	+ 2.3571	+ 0.0013	0.000	+ 4.627	+ 0.332	+ 0.02	2293
303	... ..	+ 1.9890	+ 0.0012	...	+ 4.670	+ 0.280	...	...
304	... ..	+ 1.9972	+ 0.0012	...	+ 4.823	+ 0.281	...	...
305	... ..	+ 2.0111	+ 0.0012	...	+ 4.888	+ 0.282	...	...
306	23 Canis Majoris γ	+ 2.7145	+ 0.0005	+ 0.002	+ 4.906	+ 0.351	+ 0.01	2319
307	Lalande 13707	+ 3.6194	- 0.0067	...	+ 5.040	+ 0.509	...	...
308	R Geminorum Var. 2.	+ 3.6182	- 0.0059	...	+ 5.130	+ 0.508	...	...
309	... ..	+ 3.7922	- 0.0081	...	+ 5.246	+ 0.532	...	...
310	Taylor 2851 ...	+ 1.1773	- 0.0033	...	+ 5.264	+ 0.164	...	...
311	... ..	+ 3.7447	- 0.0081	...	+ 5.302	+ 0.531	...	...
312	R Canis Minoris Var. 1	+ 3.3049	- 0.0081	...	+ 5.304	+ 0.463	...	...
313	W. B. E. VI. 1920	+ 3.3053	- 0.0081	...	+ 5.324	+ 0.463	...	...
314	... ..	+ 1.9836	+ 0.0010	...	+ 5.483	+ 0.276	...	...
315	... ..	+ 3.7850	- 0.0088	...	+ 5.677	+ 0.528	...	...

284.—Proper motions from "Greenwich Catalogue 1872."

297.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
316	... ..	7.7	..	7	6	42.80	129	2	56.8	1	0.16
317	Taylor 2923	7.0	1	7	7	18.09	150	21	29.7	1	0.17
318	... ..	9.1	2	7	8	57.61	130	17	31.5	2	0.12
319	Taylor 2940	7.0	1	7	9	32.27	129	57	54.6	1	0.18
320	... ..	9.5	2	7	9	50.44	130	18	45.3	2	0.12
321	54 Geminorum A	3.6	...	7	10	23.44	73	13	16.1	1	0.08
322	55 Geminorum B	3.7	...	7	12	7.08	67	46	28.1	11	0.11
323	... ..	8.0	1	7	12	37.35	152	48	8.0	1	0.10
324	.. ...	9.4	2	7	13	5.31	129	16	14.1	2	0.05
325	... ..	7.9	2	7	14	33.58	138	49	48.4	2	0.09
326	Lacaille 2805	8.0	2	7	17	22.62	153	8	18.3	2	0.17
327	... ..	8.6	4	7	17	29.01	129	13	41.0	4	0.10
328	... ..	9.8	2	7	17	41.13	129	46	24.1	2	0.09
329	R. P. L. 45	7.2	...	7	17	40.32	0	59	19.6	3	0.12
330	Taylor 3043	7.2	2	7	19	17.81	129	16	39.6	2	0.03
331	Lacaille 2807	8.1	2	7	19	35.48	142	15	36.7	2	0.15
332	... ..	9.1	1	7	19	50.60	152	35	50.1	1	0.15
333	... ..	7.5	2	7	21	37.92	131	50	40.4	2	0.17
334	... ..	9.1	3	7	23	31.53	129	45	32.8	3	0.39
335	... ..	8.1	1	7	23	57.78	129	10	20.7	1	0.04
336	S Canis Minoris Var. 2	7.6	4	7	25	26.78	81	23	56.3	4	0.11
337	... ..	8.0	1	7	25	30.93	129	18	20.7	1	0.15
338	68 Geminorum	5.0	...	7	25	57.51	73	53	19.0	1	0.08
339	68 Geminorum a ⁹ (Castor)	2.0	...	7	26	2.74	57	40	17.1	6	0.13
340	... ..	9.7	1	7	26	41.53	129	45	16.7	1	0.04
341	... ..	8.2	4	7	28	0.26	129	42	50.3	4	0.12
342	Taylor 3126	6.9	3	7	29	37.07	143	15	50.5	3	0.17
343	.. ...	8.6	2	7	31	8.84	131	10	49.0	2	0.18
344	... ..	9.1	2	7	31	28.57	129	41	9.2	2	0.09
345	10 Can. Min. a (Procyon)	0.5	...	7	32	17.12	84	26	4.7	14	0.10
346	8 Geminorum Var. 3.	10.6	3	7	34	40.96	66	12	42.6	4	0.07
347	.. ...	9.0	2	7	35	10.80	129	68	7.8	2	0.04
348	... ..	9.9	1	7	35	17.13	66	16	13.8	1	0.12
349	Taylor 3195	7.9	1	7	36	34.66	150	19	22.9	1	0.20
350	... ..	7.0	2	7	36	31.79	128	45	28.7	2	0.17

329.—Groombridge 1119.

336.—S Canis Minoris Var. 2.—Period 322 days.—Range, 8.3 to below 13th magnitude.

346.—8 Geminorum Var. 3.—Period 594 days.—Range, 5.3 to below 14th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
316	... ..	+ 2.0332	+ 0.0011	...	+ 5.756	+ 0.293	...	...
317	Taylor 2923 ...	+ 0.8231	- 0.0077	...	+ 5.805	+ 0.113	...	...
318	... ..	+ 1.0895	+ 0.0010	...	+ 5.944	+ 0.274	...	...
319	Taylor 2940 ...	+ 2.0028	+ 0.0010	...	+ 5.992	+ 0.276	...	...
320	... ..	+ 1.9900	+ 0.0009	...	+ 6.017	+ 0.274	...	...
321	54 Geminorum A ...	+ 3.4564	- 0.0055	- 0.002	+ 6.063	+ 0.478	+ 0.04	2398
322	55 Geminorum B ...	+ 3.5015	- 0.0072	0.000	+ 6.207	+ 0.405	+ 0.02	2410
323	... ..	+ 0.5990	- 0.0119	...	+ 6.240	+ 0.060	...	...
324	... ..	+ 2.0341	+ 0.0009	...	+ 6.288	+ 0.279	...	...
325	... ..	+ 1.6234	- 0.0088	...	+ 6.410	+ 0.221	...	...
326	Lacaille 2905 ...	+ 0.5814	- 0.0132	...	+ 6.643	+ 0.077	...	...
327	... ..	+ 2.0424	+ 0.0000	...	+ 6.652	+ 0.278	...	...
328	... ..	+ 2.0226	+ 0.0009	...	+ 6.668	+ 0.275	...	...
329	R. P. L. 45 ...	+ 76.1373	- 28.0360	- 0.323	+ 6.680	+ 10.467	- 0.01	2320
330	Taylor 3043 ...	+ 2.0435	+ 0.0009	...	+ 6.800	+ 0.277	...	...
331	Lacaille 2807 ...	+ 1.4479	- 0.0023	...	+ 6.825	+ 0.196	...	...
332	... ..	+ 0.6480	- 0.0127	...	+ 6.847	+ 0.086	...	...
333	... ..	+ 1.9500	+ 0.0006	...	+ 6.923	+ 0.264	...	...
334	... ..	+ 2.0329	+ 0.0009	...	+ 7.140	+ 0.274	...	...
335	... ..	+ 2.0551	+ 0.0009	...	+ 7.184	+ 0.277	...	...
336	8 Canis Minoris Var. 2	+ 3.2605	- 0.0044	...	+ 7.306	+ 0.440	...	...
337	... ..	+ 2.0529	+ 0.0009	...	+ 7.311	+ 0.276	...	...
338	68 Geminorum ...	+ 3.4315	- 0.0066	- 0.004	+ 7.347	+ 0.463	0.00	2496
339	66 Gem. α^3 (Castor) ...	+ 3.8547	- 0.0133	- 0.013	+ 7.354	+ 0.619	+ 0.08	2485
340	... ..	+ 2.0386	+ 0.0009	...	+ 7.406	+ 0.273	...	...
341	... ..	+ 2.0424	+ 0.0000	...	+ 7.513	+ 0.273	...	...
342	Taylor 3126 ...	+ 1.4150	- 0.0032	...	+ 7.644	+ 0.188	...	2507
343	... ..	+ 1.9937	+ 0.0008	...	+ 7.768	+ 0.265	...	...
344	... ..	+ 2.0490	+ 0.0009	...	+ 7.834	+ 0.272	...	...
345	10 Can. Min. (Procyon) ...	+ 3.1919	- 0.0041	- 0.048	+ 7.850	+ 0.425	+ 1.08	2523
346	8 Geminorum Var. 3 ...	+ 3.6419	- 0.0102	...	+ 8.052	+ 0.180	...	...
347	... ..	+ 2.0467	+ 0.0009	...	+ 8.092	+ 0.270	...	...
348	... ..	+ 3.6098	- 0.0131	...	+ 8.100	+ 0.479	...	...
349	Taylor 3195 ...	+ 0.9312	- 0.0106	...	+ 8.203	+ 0.120	...	...
350	... ..	+ 2.0568	+ 0.0010	...	+ 8.204	+ 0.274	...	...

321.—329.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
351	... ..	7.6	2	7	36	48.31	129	57	34.3	2	0.04
352	78 Geminorum β (Pollux).	1.1	...	7	37	6.77	61	39	13.1	16	0.11
353	... ..	7.0	3	7	39	9.08	131	8	54.2	3	0.18
354	... ..	8.5	2	7	40	57.49	153	9	57.8	2	0.19
355	T Geminorum Var. 4	9.8	5	7	41	15.33	65	56	8.7	6	0.11
356	... ..	7.6	1	7	41	34.99	144	18	50.0	1	0.19
357	Lacaille 3031	7.1	2	7	45	7.93	144	22	45.8	2	0.11
358	... ..	8.0	2	7	45	10.85	129	25	9.0	2	0.18
359	U Geminorum Var. 5	9.9	9	7	47	9.24	67	39	0.1	9	0.06
360	Taylor 3310	7.7	1	7	48	35.02	149	18	10.4	2	0.15
361	... ..	9.3	1	7	48	35.76	67	46	26.6	1	0.14
362	... ..	8.4	1	7	49	3.28	130	26	22.5	1	0.16
363	1 Cancri	5.9	...	7	49	22.74	73	51	17.5	1	0.97
364	... ..	8.1	1	7	49	55.53	129	17	41.1	2	0.16
365	... ..	7.6	1	7	49	57.77	149	8	45.0	1	0.10
366	... ..	7.7	1	7	50	9.24	129	38	44.5	1	0.15
367	Taylor 3339	7.9	1	7	51	53.06	144	17	13.7	1	0.18
368	... ..	8.1	2	7	52	2.00	148	22	43.7	2	0.19
369	5 Cancri	6.0	...	7	53	51.90	73	10	43.5	1	0.97
370	Taylor 3373	7.6	1	7	55	16.78	144	12	13.2	1	0.18
371	6 Cancri	5.0	...	7	55	17.06	61	50	0.5	15	0.11
372	... ..	7.9	1	7	55	24.41	128	30	33.0	1	0.20
373	Brisbane 1855	6.8	2	7	55	30.03	132	56	7.0	2	0.18
374	... ..	8.9	2	8	1	24.80	150	31	43.6	2	0.13
375	Lacaille 3174	7.2	1	8	1	27.12	155	38	16.6	1	0.18
376	15 Argus	2.0	...	8	1	50.32	113	55	13.0	11	0.15
377	... ..	9.5	1	8	2	7.91	113	47	9.2	1	0.20
378	... ..	8.1	2	8	2	16.24	128	39	46.0	2	0.19
379	16 Cancri 3	4.7	...	8	4	31.44	71	57	3.5	1	0.15
380	... ..	7.6	3	8	6	8.10	128	40	54.0	3	0.15
381	... ..	9.0	1	8	8	38.14	128	38	45.3	1	0.08
382	R Cancri Var. 1	7.9	3	8	9	10.45	77	51	55.2	3	0.07
383	... ..	9.6	1	8	10	28.29	151	26	39.7	1	0.06
384	... ..	9.9	1	8	10	35.50	77	38	6.3	1	0.21
385	Lalande 16224	7.0	3	8	10	40.30	73	54	32.8	3	0.17

355.—T Geminorum Var. 4.—Period 288 days.—Range, 8.5 to below 14th magnitude.

359.—U Geminorum Var. 5.—Period 99 days but irregular.—Range, 9th to below 14th magnitude.

362.—R Cancri Var. 1.—Period 354 days.—Range, 6th to below 12th magnitude.

385.—Comparison star for Ariadne in 1893.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
351	...	+ 2.0503	+ 0.0008	...	+ 8.222	+ 0.200	...	...
352	78 Gen. β (Pollux) ...	+ 3.7296	- 0.0128	- 0.010	+ 8.246	+ 0.491	+ 0.06	2555
353	...	+ 2.0114	+ 0.0000	...	+ 8.409	+ 0.262	...	...
354	...	+ 0.6815	- 0.0161	...	+ 8.551	+ 0.086	...	...
355	T Geminorum Var. 4.	+ 3.6119	- 0.0110	...	+ 8.575	+ 0.472	...	...
356	...	+ 1.3902	- 0.0041	...	+ 8.601	+ 0.179	...	...
357	Lacaille 3031 ...	+ 1.3990	- 0.0042	...	+ 8.881	+ 0.179	...	...
358	...	+ 2.0868	+ 0.0010	...	+ 8.884	+ 0.260	...	...
359	U Geminorum Var. 5.	+ 3.5628	- 0.0108	...	+ 9.039	+ 0.400	...	...
360	Taylor 3310 ...	+ 1.0682	- 0.0095	...	+ 9.150	+ 0.135	...	...
361	...	+ 3.5583	- 0.0100	...	+ 9.151	+ 0.458	...	...
362	...	+ 2.0593	+ 0.0010	...	+ 9.186	+ 0.263	...	...
363	1 Cancri ...	+ 3.4150	- 0.0084	- 0.001	+ 9.212	+ 0.430	+ 0.04	2639
364	...	+ 2.1015	+ 0.0011	...	+ 9.255	+ 0.268	...	...
365	...	+ 1.0868	- 0.0002	...	+ 9.257	+ 0.137	...	...
366	...	+ 2.0897	+ 0.0011	...	+ 9.272	+ 0.266	...	...
367	Taylor 3339 ...	+ 1.4206	- 0.0041	...	+ 9.407	+ 0.180	...	...
368	...	+ 1.1553	- 0.0083	...	+ 9.419	+ 0.145	...	...
369	5 Cancri ...	+ 3.4275	- 0.0090	- 0.001	+ 9.559	+ 0.436	0.00	2664
370	Taylor 3373 ...	+ 1.4477	- 0.0041	...	+ 9.667	+ 0.181	...	...
371	6 Cancri ...	+ 3.6092	- 0.0148	- 0.005	+ 9.668	+ 0.468	+ 0.07	2672
372	...	+ 2.1404	+ 0.0013	...	+ 9.677	+ 0.270	...	...
373	Brisbane 1855 ...	+ 0.7807	- 0.0165	...	+ 9.684	+ 0.006	...	2680
374	...	+ 1.0306	- 0.0116	...	+ 10.134	+ 0.126	...	...
375	Lacaille 3174 ...	+ 0.5245	- 0.0246	...	+ 10.137	+ 0.062	...	...
376	16 Argus ...	+ 2.5008	+ 0.0009	- 0.007	+ 10.166	+ 0.318	- 0.06	2728
377	...	+ 2.5645	+ 0.0009	...	+ 10.188	+ 0.318	...	...
378	...	+ 2.1510	+ 0.0015	...	+ 10.199	+ 0.266	...	...
379	16 Cancri 3 ...	+ 3.4451	- 0.0103	+ 0.004	+ 10.368	+ 0.426	+ 0.11	2744
380	...	+ 2.1597	+ 0.0016	...	+ 10.489	+ 0.264	...	...
381	...	+ 2.1670	+ 0.0017	...	+ 10.675	+ 0.263	...	...
382	R Cancri Var. 1 ...	+ 3.3151	- 0.0060	...	+ 10.715	+ 0.404	...	...
383	...	+ 1.0029	- 0.0133	...	+ 10.810	+ 0.118	...	...
384	...	+ 3.3189	- 0.0082	...	+ 10.819	+ 0.403	...	...
385	Lalande 16224 ...	+ 3.3068	- 0.0097	...	+ 10.825	+ 0.412	...	...

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
386	... ..	8.4	1	8	11	23.00	162	4	52.0	1	0.12
387	... ..	8.2	1	8	12	21.70	128	44	4.4	2	0.19
388	... ..	8.5	5	8	12	40.73	128	41	17.8	5	0.16
389	... ..	10.0	1	8	13	1.85	130	46	55.2	1	0.21
390	... ..	7.8	2	8	14	53.75	142	17	18.1	2	0.18
391	Lacaille 3297 ...	8.0	3	8	15	2.67	63	59	13.3	3	0.14
392	20 Cancri d ¹ ...	5.9	...	8	15	41.24	71	14	25.3	1	0.15
393	... ..	9.0	1	8	17	26.00	141	16	16.2	1	0.16
394	... ..	8.6	2	8	17	29.14	77	49	33.1	2	0.16
395	... ..	10.3	1	8	18	48.91	151	1	8.5	1	0.22
396	Taylor 3599 ...	7.5	3	8	20	19.85	144	53	9.5	4	0.15
397	W. B. N. VIII. 459 ...	8.0	1	8	20	23.00	74	27	44.7	1	0.12
398	29 Cancri ...	5.0	...	8	21	8.65	75	20	51.5	2	0.08
399	Taylor 3607 ...	6.0	1	8	21	18.41	144	55	46.0	2	0.20
400	... ..	9.0	1	8	21	31.41	131	40	50.6	1	0.09
401	... ..	9.3	1	8	23	14.58	73	25	40.0	2	0.21
402	Taylor 3620 ...	8.0	1	8	23	14.98	130	48	11.7	1	0.10
403	... ..	8.9	1	8	23	36.68	128	38	50.9	1	0.16
404	... ..	9.0	1	8	24	51.70	73	46	4.3	1	0.18
405	33 Cancri γ ...	5.5	...	8	21	57.33	60	6	23.6	9	0.15
406	Taylor 3651 ...	7.6	1	8	25	44.01	130	3	45.2	1	0.18
407	Taylor 3652 ...	7.0	1	8	25	48.23	130	3	2.6	1	0.20
408	Lacaille 3393 ...	8.7	1	8	25	50.32	140	40	25.8	1	0.21
409	W. B. N. VIII. 635 ...	8.5	2	8	27	45.61	73	48	43.0	2	0.20
410	Taylor 3672 ...	7.1	2	8	28	36.01	71	13	31.0	2	0.16
411	... ..	9.3	1	8	28	54.27	70	41	5.1	1	0.16
412	W. B. N. VIII. 684 ...	9.2	1	8	29	7.85	70	39	22.5	1	0.22
413	Lacaille 3490 ...	7.3	1	8	29	15.00	151	53	3.3	1	0.18
414	... ..	8.4	2	8	30	18.41	128	47	23.7	2	0.22
415	... ..	8.6	1	8	33	13.00	129	23	51.9	1	0.10
416	W. B. N. VIII. 853 ...	8.2	2	8	34	8.62	74	8	3.9	2	0.18
417	... ..	8.3	1	8	34	10.23	154	30	49.3	1	0.19
418	... ..	9.3	1	8	34	43.08	129	46	37.8	1	0.21
419	15 Cancri A ¹ ...	5.6	...	8	35	49.21	76	50	28.4	3	0.13
420	Lacaille 3491 ...	8.4	1	8	36	3.52	152	22	18.3	1	0.21

397.—Comparison star for supposed new variable star, 1861 Feb. 1.

401.—402.—410.—416.—Comparison stars for Proia in 1861.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
386	...	+ 0.0525	- 0.0147	...	+ 10.879	+ 0.112	...	...
387	...	+ 2.1736	+ 0.0018	...	+ 10.940	+ 0.261	...	...
388	...	+ 2.1763	+ 0.0018	...	+ 10.984	+ 0.261	...	...
389	...	+ 2.1083	+ 0.0013	...	+ 10.998	+ 0.252	...	...
390	...	+ 1.6340	- 0.0021	...	+ 11.134	+ 0.193	...	...
391	Lacaille 3297	+ 0.7945	- 0.0195	...	+ 11.145	+ 0.091	...	...
392	20 Cancri d	+ 3.4490	- 0.0114	- 0.005	+ 11.191	+ 0.413	+ 0.02	2790
393	...	+ 1.6961	- 0.0014	...	+ 11.319	+ 0.109	...	...
394	...	+ 3.3102	- 0.0084	...	+ 11.322	+ 0.394	...	...
395	...	+ 1.0877	- 0.0122	...	+ 11.418	+ 0.126	...	...
396	Taylor 3599	+ 1.5162	- 0.0039	...	+ 11.527	+ 0.176	...	...
397	W. B. N. VIII. 459.	+ 3.3763	- 0.0100	...	+ 11.531	+ 0.398	...	...
398	20 Cancri	+ 3.3574	- 0.0096	- 0.002	+ 11.585	+ 0.395	+ 0.01	2536
399	Taylor 3607	+ 1.5182	- 0.0039	...	+ 11.596	+ 0.176	...	...
400	...	+ 2.1010	+ 0.0018	...	+ 11.614	+ 0.245	...	...
401	...	+ 3.3946	- 0.0109	...	+ 11.734	+ 0.397	...	...
402	Taylor 3620	+ 2.1361	+ 0.0020	...	+ 11.735	+ 0.249	...	...
403	...	+ 2.2000	+ 0.0023	...	+ 11.760	+ 0.256	...	...
404	...	+ 3.3962	- 0.0106	...	+ 11.849	+ 0.394	...	...
405	33 Cancri q	+ 3.4837	- 0.0129	- 0.005	+ 11.856	+ 0.404	+ 0.06	2562
406	Taylor 3651	+ 2.1675	+ 0.0022	...	+ 11.911	+ 0.249	...	...
407	Taylor 3652	+ 2.1681	+ 0.0022	...	+ 11.914	+ 0.249	...	...
408	Lacaille 3393	+ 1.2346	- 0.0095	...	+ 11.928	+ 0.140	...	...
409	W. B. N. VIII. 635.	+ 3.3823	- 0.0107	...	+ 12.053	+ 0.390	...	...
410	Taylor 3672	+ 3.3732	- 0.0106	...	+ 12.112	+ 0.387	...	2588
411	...	+ 3.4452	- 0.0124	...	+ 12.133	+ 0.395	...	...
412	W. B. N. VIII. 694.	+ 3.4456	- 0.0124	...	+ 12.149	+ 0.395	...	...
413	Lacaille 3430	+ 1.0819	- 0.0135	...	+ 12.156	+ 0.121	...	...
414	...	+ 2.2204	+ 0.0026	...	+ 12.230	+ 0.252	...	...
415	...	+ 2.2104	+ 0.0026	...	+ 12.431	+ 0.248	...	...
416	W. B. N. VIII. 852.	+ 3.3694	- 0.0109	...	+ 12.495	+ 0.379	...	...
417	...	+ 0.6947	- 0.0197	...	+ 12.496	+ 0.097	...	...
418	...	+ 3.2082	+ 0.0027	...	+ 12.534	+ 0.216	...	...
419	45 Cancri A	+ 3.3152	- 0.0096	- 0.002	+ 12.609	+ 0.371	- 0.01	2942
420	Lacaille 3491	+ 1.0875	- 0.0141	...	+ 12.625	+ 0.118	...	2949

392.—398.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year
				h.	m.	s.	°	'	"		
421	b Velorum	4.1	...	8	36	10.93	136	10	25.5	1	0.20
422	S Cancri Var. 2	8.8	3	8	36	16.64	70	29	12.4	3	0.20
423	Lalande 17231	7.8	2	8	37	50.89	74	28	8.3	2	0.20
424	W. B. N. VIII. 977	9.7	2	8	39	21.87	74	40	26.0	2	0.17
425	11 Hydre	3.6	...	8	39	40.71	83	5	32.2	9	0.17
426	...	7.8	1	8	40	33.59	129	15	59.4	1	0.19
427	Lacaille 3534	8.5	1	8	42	21.65	129	18	32.4	1	0.21
428	W. B. N. VIII. 1043	8.3	2	8	42	28.16	74	40	21.5	2	0.21
429	...	9.2	1	8	42	59.47	136	10	54.2	1	0.14
430	Lacaille 3573	7.8	3	8	44	15.19	152	41	52.7	3	0.10
431	S Hydre Var. 3	8.0	5	8	46	34.56	86	25	40.8	5	0.19
432	...	8.6	1	8	46	48.43	132	53	42.3	1	0.21
433	R. P. L. 60	6.5	...	8	46	50.33	5	17	22.6	1	0.18
434	...	8.0	2	8	46	59.95	136	6	28.1	2	0.22
435	...	8.7	2	8	47	44.23	132	56	21.7	2	0.24
436	T Cancri Var. 3	8.8	3	8	49	0.66	60	38	27.7	4	0.20
437	T Hydre Var. 4	7.9	7	8	49	8.59	98	37	55.7	7	0.16
438	...	8.3	2	8	49	17.84	132	54	48.4	2	0.23
439	0 Ursæ Majoris	3.2	...	8	50	1.21	41	26	6.4	1	0.09
440	...	8.2	1	8	50	19.69	132	57	23.9	1	0.19
441	65 Cancri	4.3	...	8	51	9.34	77	37	35.3	4	0.14
442	...	9.2	1	8	54	5.95	132	54	10.6	1	0.23
443	...	8.7	1	8	54	24.83	130	33	21.7	1	0.20
444	...	8.5	2	8	54	51.72	130	35	56.4	2	0.18
445	...	8.0	1	8	55	1.63	142	49	24.5	1	0.14
446	...	8.5	1	8	56	40.61	146	46	30.2	1	0.16
447	...	9.5	1	8	56	47.82	129	18	40.9	1	0.10
448	...	8.7	...	8	56	58.10	146	35	4.1	1	0.21
449	...	9.0	1	8	58	9.29	146	50	10.6	1	0.16
450	...	9.1	1	8	58	12.73	146	18	56.9	1	0.09
451	...	8.2	3	8	59	9.49	145	28	37.2	3	0.23
452	70 Cancri	5.0	...	9	0	29.23	78	47	42.3	3	0.11
453	...	8.8	...	9	1	54.87	128	57	41.6	1	0.20
454	Lacaille 3705	7.0	1	9	2	16.79	151	17	33.9	2	0.20
455	...	9.2	2	9	4	1.58	137	48	14.4	2	0.14

422.—S Cancri Var. 2.—Period 9.48 days.—Range, 8th to 10.5 magnitude.

423.—424.—425.—Comparison stars for Frea in 1864.

431.—S Hydre Var. 3.—Period 256 days.—Range, 8th to 13th magnitude.

433.—Carrington 1286.

436.—T Cancri Var. 3.—Period 484 days.—Range, 8th to 10.5 magnitude.

437.—T Hydre Var. 4.—Period 289 days.—Range, 7th to below 12th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
421	δ Velorum ...	+ 14903	+ 0.0018	...	+ 12.633	+ 0.221	...	2947
422	S Caneri Var. 2	+ 3.4400	- 0.0130	...	+ 12.640	+ 0.365	...	...
423	Lalande 17231	+ 3.3590	- 0.0109	...	+ 12.746	+ 0.373	...	...
424	W. B. N. VIII. 977	+ 3.3500	- 0.0108	...	+ 12.849	+ 0.360	...	...
425	η Hydre ...	+ 3.1962	- 0.0071	- 0.013	+ 12.869	+ 0.351	+ 0.04	2971
426	...	+ 2.2365	+ 0.0031	...	+ 12.928	+ 0.244	...	...
427	Lacaille 3534	+ 2.2408	+ 0.0032	...	+ 13.048	+ 0.242	...	...
428	W. B. N. VIII. 1045	+ 3.3503	- 0.0109	...	+ 13.056	+ 0.365	...	...
429	...	+ 2.0165	+ 0.0023	...	+ 13.091	+ 0.217	...	...
430	Lacaille 3573	+ 1.1193	- 0.0140	...	+ 13.174	+ 0.117	...	3008
431	S Hydre Var. 3	+ 3.1345	- 0.0059	...	+ 13.326	+ 0.336	...	...
432	...	+ 2.1447	+ 0.0032	...	+ 13.341	+ 0.228	...	...
433	R. P. L. 60...	+ 13.5531	- 1.7306	...	+ 13.344	+ 1.502	...	...
434	...	+ 2.0353	+ 0.0026	...	+ 13.354	+ 0.216	...	...
435	...	+ 2.1466	+ 0.0032	...	+ 13.402	+ 0.227	...	...
436	T Caneri Var. 3	+ 3.4394	- 0.0141	...	+ 13.486	+ 0.366	...	...
437	T Hydre Var. 4	+ 2.9220	- 0.0018	...	+ 13.494	+ 0.300	...	...
438	...	+ 2.1631	+ 0.0033	...	+ 13.503	+ 0.220	...	...
439	γ Ursæ Majoris	+ 4.1887	- 0.0446	- 0.017	+ 13.520	+ 0.443	+ 0.28	3048
440	...	+ 2.1659	+ 0.0034	...	+ 13.570	+ 0.226	...	...
441	δ Caneri ...	+ 3.2874	- 0.0098	0.000	+ 13.623	+ 0.346	+ 0.04	3056
442	...	+ 2.1712	+ 0.0037	...	+ 13.811	+ 0.223	...	...
443	...	+ 2.2427	+ 0.0039	...	+ 13.831	+ 0.231	...	...
444	...	+ 2.2439	+ 0.0039	...	+ 13.860	+ 0.231	...	...
445	...	+ 1.7967	+ 0.0005	...	+ 13.870	+ 0.184	...	...
446	...	+ 1.6079	- 0.0026	...	+ 13.974	+ 0.162	...	...
447	...	+ 2.2573	+ 0.0040	...	+ 13.981	+ 0.233	...	...
448	...	+ 1.6204	- 0.0023	...	+ 13.992	+ 0.163	...	...
449	...	+ 1.6138	- 0.0024	...	+ 14.066	+ 0.162	...	...
450	...	+ 1.6129	- 0.0018	...	+ 14.070	+ 0.165	...	...
451	...	+ 1.6840	- 0.0010	...	+ 14.129	+ 0.168	...	...
452	γ Caneri ...	+ 3.2500	- 0.0094	- 0.002	+ 14.211	+ 0.330	0.00	3111
453	...	+ 2.3141	+ 0.0044	...	+ 14.299	+ 0.231	...	...
454	Lacaille 3705	+ 1.3631	- 0.0083	...	+ 14.321	+ 0.193	...	...
455	...	+ 2.2120	+ 0.0045	...	+ 14.427	+ 0.218	...	...

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
456	... ..	8.0	2	9	4	28.34	130	30	9.5	2	0.18
457	... ..	8.2	4	9	4	29.28	132	45	57.8	4	0.20
458	Lacaille 3713	8.1	2	9	4	38.27	143	40	41.6	2	0.23
459	Taylor 4021	7.2	2	9	5	35.43	139	44	39.1	2	0.23
460	... ..	8.0	1	9	6	30.01	142	29	54.2	1	0.27
461	... ..	9.3	1	9	8	17.65	149	14	44.8	1	0.21
462	Lacaille 3774	8.0	2	9	9	56.08	157	10	14.7	2	0.19
463	83 Cancri	6.6	...	9	11	29.88	71	43	43.8	10	0.17
464	... ..	8.2	1	9	13	10.02	72	18	27.7	1	0.08
465	Argus	2.5	...	9	13	30.20	149	42	53.7	2	0.21
466	... ..	8.3	3	9	15	19.28	143	49	11.9	3	0.25
467	... ..	8.9	3	9	16	10.21	140	8	5.3	3	0.23
468	... ..	9.5	1	9	17	39.24	75	6	0.1	2	0.20
469	... ..	7.0	2	9	19	35.65	75	7	3.5	2	0.15
470	... ..	9.2	2	9	20	28.01	137	28	27.0	2	0.21
471	... ..	9.5	1	9	20	53.20	159	38	45.1	1	0.23
472	30 Hydrae a Var. 2.	2.0	...	9	21	0.11	98	4	46.7	14	0.17
473	25 Ursae Majoris θ	3.2	...	9	23	52.62	37	42	55.2	2	0.23
474	... ..	9.5	1	9	24	22.02	159	41	16.9	1	0.26
475	... ..	9.0	...	9	24	37.75	130	26	44.0	1	0.23
476	6 Leonis A...	5.4	...	9	24	46.50	79	41	42.7	2	0.08
477	... ..	8.0	1	9	26	50.21	164	59	40.4	1	0.15
478	Taylor 4222	7.6	2	9	27	48.32	146	23	52.3	2	0.18
479	... ..	8.0	5	9	28	3.41	128	46	24.8	5	0.19
480	... ..	7.9	1	9	28	31.74	144	0	13.5	1	0.26
481	... ..	9.2	2	9	28	50.71	128	47	27.9	2	0.18
482	... ..	9.0	1	9	29	6.06	128	50	6.1	1	0.23
483	... ..	9.3	2	9	29	36.31	146	34	7.2	2	0.22
484	Taylor 4250	4.9	...	9	32	1.08	138	45	20.9	3	0.19
485	... ..	9.0	1	9	32	32.48	129	54	24.3	1	0.14
486	R. P. L. 60	7.9	...	9	33	30.18	2	47	22.1	1	0.72
487	14 Leonis α	3.8	...	9	33	50.85	70	30	0.3	3	0.15
488	... ..	8.8	1	9	35	37.42	151	56	52.9	1	0.28
489	... ..	8.1	3	9	35	53.17	148	40	39.3	2	0.27
490	... ..	8.5	1	9	36	52.29	151	54	22.2	1	0.26

472.—30 Hydrae a Var. 2.—Supposed to vary irregularly from 2.0 to 2.5 magnitude.

490.—Carrington 1419.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in D. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
456	... ..	+ 2.2805	+ 0.0047	...	+ 14.455	+ 0.226	...	...
457	... ..	+ 2.2150	+ 0.0046	...	+ 14.450	+ 0.218	...	...
458	Lacaille 3713	+ 1.8053	+ 0.0010	...	+ 14.465	+ 0.176	...	...
459	Taylor 4031	+ 2.0209	+ 0.0037	...	+ 14.522	+ 0.197	...	...
460	... ..	+ 1.8756	+ 0.0022	...	+ 14.578	+ 0.182	...	...
461	... ..	+ 1.6009	- 0.0025	...	+ 14.685	+ 0.153	...	...
462	Lacaille 3774	+ 0.9258	- 0.0244	...	+ 14.762	+ 0.085	...	...
463	83 Cancri	+ 3.3681	- 0.0134	- 0.012	+ 14.874	+ 0.323	+ 0.16	3171
464	... ..	+ 3.3559	- 0.0131	...	+ 14.972	+ 0.320	...	...
465	Argûs	+ 1.6106	- 0.0022	...	+ 14.991	+ 0.150	...	3186
466	... ..	+ 1.8686	+ 0.0026	...	+ 15.097	+ 0.174	...	...
467	... ..	+ 2.0226	+ 0.0045	...	+ 15.145	+ 0.186	...	...
468	... ..	+ 3.3036	- 0.0116	...	+ 15.229	+ 0.307	...	...
469	... ..	+ 3.3010	- 0.0116	...	+ 15.340	+ 0.303	...	...
470	... ..	+ 2.1375	+ 0.0057	...	+ 15.390	+ 0.193	...	...
471	... ..	+ 0.8841	- 0.0285	...	+ 15.413	+ 0.076	...	...
472	30 Hydree Var. 2	+ 2.9506	- 0.0013	- 0.004	+ 15.420	+ 0.268	- 0.03	3223
473	25 Ursæ Majoris θ	+ 4.1008	- 0.0561	- 0.111	+ 15.578	+ 0.374	+ 0.57	3242
474	... ..	+ 0.0197	- 0.0275	...	+ 15.606	+ 0.077	...	...
475	... ..	+ 2.3573	+ 0.0064	...	+ 15.620	+ 0.209	...	...
476	6 Leonis A	+ 3.2245	- 0.0002	- 0.002	+ 15.628	+ 0.288	+ 0.02	3251
477	... ..	+ 1.8908	+ 0.0088	...	+ 15.748	+ 0.104	...	...
478	Taylor 4222	+ 1.8319	+ 0.0029	...	+ 15.794	+ 0.153	...	...
479	... ..	+ 2.4112	+ 0.0066	...	+ 15.806	+ 0.210	...	...
480	... ..	+ 1.0423	+ 0.0047	...	+ 15.832	+ 0.167	...	...
481	... ..	+ 2.4143	+ 0.0067	...	+ 15.856	+ 0.209	...	...
482	... ..	+ 2.4130	+ 0.0063	...	+ 15.862	+ 0.208	...	...
483	... ..	+ 1.8364	+ 0.0031	...	+ 15.890	+ 0.156	...	...
484	Taylor 4250	+ 2.1546	+ 0.0063	...	+ 16.017	+ 0.182	...	3260
485	... ..	+ 2.4013	+ 0.0072	...	+ 16.045	+ 0.203	...	...
486	R. P. L. 69	+ 10.4440	- 5.7486	...	+ 16.096	+ 1.683	...	...
487	14 Leonis e	+ 3.2194	- 0.0098	- 0.013	+ 16.122	+ 0.272	+ 0.04	3272
488	... ..	+ 1.5930	- 0.0050	...	+ 16.203	+ 0.130	...	...
489	... ..	+ 1.7792	+ 0.0026	...	+ 16.219	+ 0.146	...	...
490	... ..	+ 1.4078	- 0.0016	...	+ 16.270	+ 0.130	...	...

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
491	R Leonis Minoris Var. 1.	7.7	6	9	31	31.71	54	52	28.6	7	0.16
492	17 Leonis ϵ	3.1	...	9	39	14.35	65	36	40.9	9	0.17
493	B. F. 1393	6.0	...	9	39	5.70	82	40	32.9	1	0.27
494	18 Leonis	6.1	...	9	39	10.10	77	34	29.1	2	0.23
495	ι Carinae Var. 1	4.0	...	9	41	34.00	151	53	28.7	1	0.26
496	... ..	8.0	4	9	41	34.65	130	46	23.6	4	0.26
497	... ..	8.0	2	9	44	9.45	147	2	9.9	2	0.18
498	... ..	9.2	1	9	46	0.78	129	3	25.9	1	0.17
499	... ..	9.4	1	9	46	31.72	129	7	29.2	1	0.14
500	R. P. L. 70	6.5	...	9	46	40.20	5	26	25.3	1	0.24
501	... ..	9.5	1	9	48	37.11	152	8	16.0	1	0.26
502	W. H. E. IX. 1057 ..	7.5	3	9	49	51.00	85	7	17.5	3	0.14
503	... ..	8.7	3	9	50	51.57	145	39	47.1	3	0.27
504	29 Leonis π	5.0	...	9	53	7.80	81	18	52.7	15	0.16
505	... ..	9.2	2	9	53	56.51	152	7	22.6	2	0.24
506	... ..	8.0	3	9	54	13.09	143	58	50.0	3	0.18
507	Taylor 4445	7.9	1	9	54	47.21	147	29	13.7	1	0.27
508	... ..	8.0	1	9	55	56.17	147	24	50.3	1	0.23
509	... ..	9.8	1	9	56	3.55	129	57	59.8	1	0.22
510	... ..	9.3	2	9	57	12.38	129	57	13.9	2	0.21
511	Taylor 4476	8.8	1	9	57	55.68	145	36	38.5	1	0.22
512	... ..	9.2	1	9	58	13.54	143	54	41.5	1	0.29
513	Taylor 4484	7.4	1	9	58	44.41	151	30	33.5	1	0.28
514	32 Leonis α , (Regulus) ...	1.4	...	10	1	13.95	77	22	46.3	13	0.16
515	... ..	8.9	3	10	1	26.20	130	2	33.9	3	0.27
516	Lacaille 4164	7.6	3	10	2	16.90	145	54	37.5	4	0.22
517	... ..	9.3	1	10	2	51.70	129	58	11.1	1	0.06
518	... ..	6.7	2	10	3	18.56	140	30	20.9	2	0.25
519	... ..	6.5	3	10	7	12.37	129	55	43.3	3	0.17
520	... ..	6.9	2	10	9	6.44	139	52	16.4	2	0.28
521	Taylor 4577	9.0	1	10	9	52.95	128	37	32.7	1	0.17
522	... ..	8.3	1	10	9	55.57	145	34	57.5	1	0.29
523	... ..	9.5	1	10	10	20.55	139	51	46.8	1	0.30
524	41 Leonis γ^1	2.2	...	10	12	34.54	69	28	55.9	5	0.22
525	... ..	9.6	1	10	12	56.57	128	37	31.3	1	0.17

491.—R Leonis Minoris Var 1.—Period 375 days.—Range, 6.5 to below 11th magnitude.

495.— ι Carinae Var. 1.—Period 31 days.—Range, 3.7 to 5.2 magnitude.

500.—Carrington 1451.

502.—Comparison stars for α in 1864.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
491	R Leonis Min. Var. 1.	+ 3.6199	- 0.0276	...	+ 16.303	+ 0.301	...	...
492	17 Leonis e ...	+ 3.4235	- 0.0180	- 0.004	+ 16.340	+ 0.292	+ 0.02	3331
493	B. F. 1383 ...	+ 3.1712	- 0.0075	...	+ 16.353	+ 0.260	...	3336
494	18 Leonis ...	+ 3.3419	- 0.0103	- 0.003	+ 16.396	+ 0.266	- 0.06	3337
495	Carinae Var. 1 ...	+ 1.6504	- 0.0001	- 0.003	+ 16.506	+ 0.130	- 0.02	3353
496	... ..	+ 2.4173	+ 0.0083	...	+ 16.507	+ 0.193	...	...
497	... ..	+ 1.9204	+ 0.0060	...	+ 16.634	+ 0.150	...	...
498	... ..	+ 2.4735	+ 0.0086	...	+ 16.724	+ 0.192	...	...
499	... ..	+ 2.4740	+ 0.0086	...	+ 16.749	+ 0.192	...	...
500	R. P. L. 70... ..	+ 10.7820	- 1.5841	...	+ 16.756	+ 0.857	...	...
501	... ..	+ 1.7004	+ 0.0017	...	+ 16.849	+ 0.128	...	...
502	W. B. E. IX. 1057..	+ 3.1335	- 0.0062	...	+ 16.907	+ 0.239	...	...
503	... ..	+ 2.0267	+ 0.0082	...	+ 16.955	+ 0.151	...	...
504	29 Leonis w ...	+ 3.1794	- 0.0080	- 0.003	+ 17.060	+ 0.236	+ 0.03	3415
505	... ..	+ 1.7509	+ 0.0034	...	+ 17.066	+ 0.127	...	...
506	... ..	+ 2.1128	+ 0.0097	...	+ 17.110	+ 0.154	...	...
507	Taylor 4445 ...	+ 1.9823	+ 0.0083	...	+ 17.135	+ 0.143	...	...
508	... ..	+ 1.9943	+ 0.0086	...	+ 17.187	+ 0.143	...	...
509	... ..	+ 2.4952	+ 0.0097	...	+ 17.193	+ 0.180	...	...
510	... ..	+ 2.5003	+ 0.0099	...	+ 17.244	+ 0.179	...	...
511	Taylor 4476 ...	+ 2.0801	+ 0.0100	...	+ 17.277	+ 0.147	...	...
512	... ..	+ 2.1427	+ 0.0105	...	+ 17.290	+ 0.151	...	...
513	Taylor 4484 ...	+ 1.8287	+ 0.0058	...	+ 17.312	+ 0.128	...	...
514	32 Leonis a (Regulus)	+ 3.2203	- 0.0102	- 0.019	+ 17.422	+ 0.225	- 0.01	3459
515	... ..	+ 2.5164	+ 0.0105	...	+ 17.431	+ 0.175	...	...
516	Lacaille 4164 ...	+ 2.1709	+ 0.0115	...	+ 17.466	+ 0.148	...	...
517	... ..	+ 2.5240	+ 0.0106	...	+ 17.492	+ 0.172	...	...
518	... ..	+ 2.2937	+ 0.0134	...	+ 17.506	+ 0.153	...	...
519	... ..	+ 2.5424	+ 0.0112	...	+ 17.675	+ 0.167	...	...
520	... ..	+ 2.3342	+ 0.0131	...	+ 17.753	+ 0.150	...	...
521	Taylor 4577 ...	+ 2.5784	+ 0.0112	...	+ 17.784	+ 0.166	...	...
522	... ..	+ 2.1705	+ 0.0129	...	+ 17.786	+ 0.138	...	...
523	... ..	+ 2.3420	+ 0.0134	...	+ 17.802	+ 0.140	...	...
524	41 Leonis γ' .	+ 3.2980	- 0.0148	+ 0.019	+ 17.802	+ 0.208	+ 0.15	3523
525	... ..	+ 2.5911	+ 0.0115	...	+ 17.807	+ 0.162	...	...

494.—Proper motions from "Greenwich Catalogue 1872."

495.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
526	... ..	8.6	2	10	14	42.39	150	26	12.0	2	0.26
527	... ..	9.3	1	10	16	14.56	75	25	6.8	1	0.29
528	... ..	8.2	2	10	16	17.10	129	16	50.8	2	0.29
529	Taylor 4653	8.0	2	10	18	6.19	151	23	50.2	2	0.22
530	44 Leonis	6.2	...	10	13	11.32	60	32	9.8	3	0.19
531	... ..	9.5	1	10	18	40.75	146	9	4.4	1	0.20
532	... ..	7.9	3	10	21	56.87	146	55	31.0	3	0.26
533	... ..	9.4	3	10	22	0.44	146	59	37.0	3	0.24
534	... ..	10.2	1	10	23	28.48	76	6	55.5	1	0.20
535	... ..	8.4	3	10	24	10.08	146	55	42.1	3	0.25
536	... ..	8.5	1	10	24	30.00	146	59	31.0	1	0.31
537	... ..	8.9	4	10	25	44.68	146	54	44.3	4	0.26
538	47 Leonis ρ	4.0	...	10	25	45.20	80	0	18.0	6	0.10
539	... ..	9.1	3	10	26	34.02	152	26	23.9	3	0.28
540	ρ Carinae	3.6	...	10	27	15.62	150	59	50.6	1	0.27
541	... ..	9.6	2	10	28	9.07	150	50	32.3	3	0.29
542	... ..	10.1	1	10	29	16.79	147	15	12.9	1	0.30
543	Taylor 4769	6.5	1	10	30	26.91	146	41	52.5	1	0.17
544	... ..	9.5	1	10	34	57.27	139	17	13.6	1	0.29
545	... ..	8.0	1	10	35	7.56	149	6	17.1	2	0.28
546	Taylor 4824	7.6	5	10	36	10.77	143	58	38.4	2	0.27
547	... ..	9.0	2	10	37	34.09	151	29	57.5	2	0.30
548	Taylor 4849	7.0	3	10	38	44.25	149	24	55.1	3	0.24
549	... ..	9.0	1	10	39	33.76	148	51	40.1	1	0.27
550	η Argus Var. 1	8.0	...	10	39	52.22	143	58	53.0	1	0.22
551	... ..	9.0	1	10	41	2.21	137	1	36.9	1	0.27
552	... ..	8.8	2	10	42	0.24	149	23	30.2	2	0.21
553	53 Leonis ι	6.3	...	10	42	12.71	78	44	49.0	4	0.20
554	... ..	9.5	1	10	42	23.45	75	5	29.1	1	0.29
555	... ..	9.0	1	10	42	41.45	141	5	1.4	1	0.30
556	Taylor 4846	6.0	1	10	42	52.76	137	2	35.3	1	0.27
557	... ..	8.2	1	10	43	57.95	137	3	26.5	1	0.30
558	... ..	7.6	3	10	43	9.18	141	45	43.2	3	0.29
559	Lacaille 4503	7.4	2	10	44	25.26	141	5	23.4	2	0.29
560	Taylor 4915	8.0	2	10	46	27.73	135	30	21.4	2	0.30

550.— η Argus Var. 1.—Irregularly variable from 1st to 9th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
526		+ 2.0269	+ 0.0122	...	+ 17.975	+ 0.123	...	...
527		+ 3.2213	- 0.0110	...	+ 18.034	+ 0.198	...	...
528		+ 2.5940	+ 0.0121	...	+ 18.036	+ 0.158	...	...
529	Taylor 4653	+ 2.0175	+ 0.0129	...	+ 18.105	+ 0.119	...	...
530	44 Leonis	+ 3.1680	- 0.0079	- 0.007	+ 18.109	+ 0.191	+ 0.12	3561
531		+ 2.2205	+ 0.0152	...	+ 18.132	+ 0.131	...	...
532		+ 2.2204	+ 0.0160	...	+ 18.247	+ 0.126	...	...
533		+ 2.2186	+ 0.0160	...	+ 18.249	+ 0.126	...	...
534		+ 3.2074	- 0.0102	...	+ 18.302	+ 0.183	...	...
535		+ 2.2384	+ 0.0166	...	+ 18.327	+ 0.125	...	...
536		+ 2.2391	+ 0.0168	...	+ 18.339	+ 0.124	...	...
537		+ 2.2518	+ 0.0171	...	+ 18.353	+ 0.123	...	...
538	47 Leonis p	+ 3.1602	- 0.0080	0.000	+ 18.353	+ 0.176	+ 0.03	3609
539		+ 2.0565	+ 0.0154	...	+ 18.411	+ 0.111	...	...
540	p Carinae	+ 2.1227	+ 0.0165	...	+ 18.435	+ 0.114	...	3610
541		+ 2.1373	+ 0.0169	...	+ 18.466	+ 0.114	...	...
542		+ 2.2497	+ 0.0181	...	+ 18.504	+ 0.110	...	...
543	Taylor 4769	+ 2.2920	+ 0.0185	...	+ 18.543	+ 0.119	...	3635
544		+ 2.5087	+ 0.0182	...	+ 18.690	+ 0.125	...	...
545		+ 2.2634	+ 0.0199	...	+ 18.695	+ 0.112	...	...
546	Taylor 4824	+ 2.2771	+ 0.0203	...	+ 18.729	+ 0.111	...	3673
547		+ 2.2035	+ 0.0205	...	+ 18.772	+ 0.105	...	...
548	Taylor 4849	+ 2.2867	+ 0.0211	...	+ 18.807	+ 0.108	...	3689
549		+ 2.3113	+ 0.0214	...	+ 18.832	+ 0.108	...	...
550	γ Argus Var. 1	+ 2.3104	+ 0.0215	...	+ 18.841	+ 0.107	...	3695
551		+ 2.5874	+ 0.0186	...	+ 18.876	+ 0.120	...	...
552		+ 2.3179	+ 0.0223	...	+ 18.905	+ 0.105	...	...
553	53 Leonis l	+ 3.1606	- 0.0080	- 0.003	+ 18.911	+ 0.145	+ 0.02	3708
554		+ 3.1902	- 0.0104	...	+ 18.919	+ 0.147	...	...
555		+ 2.5241	+ 0.0205	...	+ 18.925	+ 0.114	...	...
556	Taylor 4896	+ 2.3980	+ 0.0190	...	+ 18.930	+ 0.117	...	...
557		+ 2.6042	+ 0.0198	...	+ 18.961	+ 0.116	...	...
558		+ 2.5278	+ 0.0213	...	+ 18.995	+ 0.110	...	...
559	Lucille 4572	+ 2.5506	+ 0.0215	...	+ 19.031	+ 0.109	...	...
560	Taylor 4915	+ 2.6139	+ 0.0190	...	+ 19.036	+ 0.113	...	...

530.—Proper motions from "Greenwich Catalogue 1861."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year
				h.	m.	s.	°	'	"		
561	... ..	9.5	2	10	48	4.42	129	29	51.2	2	0.26
562	... ..	8.2	1	10	48	21.28	141	45	31.0	1	0.26
563	Taylor 4945	7.0	2	10	49	0.93	144	54	20.2	2	0.28
564	Taylor 4955	7.0	1	10	50	45.59	147	20	16.5	1	0.26
565	... ..	9.2	1	10	52	0.49	143	46	7.7	1	0.29
566	59 Leonis c	5.1	...	10	53	48.04	83	10	48.3	2	0.16
567	... ..	8.9	3	10	53	52.68	135	32	26.0	3	0.31
568	50 Ursa Majoris α (Dubhe)	2.0	...	10	55	26.08	27	31	33.9	1	0.31
569	... ..	8.7	2	10	55	42.83	149	17	24.4	2	0.29
570	... ..	9.0	1	10	57	4.66	145	33	5.0	1	0.28
571	... ..	9.3	1	10	57	6.95	145	36	20.4	1	0.29
572	Lacaille 4576	7.8	2	10	57	54.33	129	55	10.6	2	0.35
573	63 Leonis χ	5.2	...	10	58	6.22	81	56	27.0	8	0.22
574	... ..	8.7	3	10	58	17.28	140	50	52.4	3	0.33
575	Lacaille 4595	8.4	3	10	59	27.08	148	50	28.6	3	0.27
576	... ..	8.3	1	11	1	6.63	135	34	12.4	1	0.34
577	67 Leonis	5.6	...	11	1	37.21	64	37	5.6	1	0.30
578	Lalande 21371	7.8	1	11	3	36.68	77	58	19.0	1	0.32
579	Lalande 21416	8.2	1	11	5	5.02	67	13	1.8	1	0.17
580	... ..	10.3	1	11	5	47.33	83	51	4.8	1	0.20
581	... ..	8.4	1	11	5	54.51	148	59	22.6	1	0.19
582	68 Leonis δ	2.8	...	11	6	58.60	68	44	35.4	7	0.26
583	... ..	7.5	2	11	7	12.36	145	50	55.2	2	0.30
584	... ..	9.0	...	11	8	38.65	150	51	20.0	1	0.29
585	... ..	9.3	1	11	9	33.98	145	55	53.7	1	0.32
586	74 Leonis φ	4.5	...	11	9	50.98	92	55	13.1	1	0.24
587	... ..	8.0	1	11	11	13.76	127	38	57.6	1	0.34
588	δ Crateris	3.9	...	11	12	38.57	104	3	13.8	11	0.28
589	... ..	8.0	2	11	12	54.22	129	32	45.5	2	0.33
590	... ..	7.8	3	11	15	55.57	124	32	15.7	3	0.25
591	Lacaille 4726	7.0	1	11	16	10.78	145	52	10.0	1	0.31
592	Taylor 5230	7.8	1	11	19	6.10	131	56	10.5	1	0.17
593	... ..	7.8	1	11	19	30.67	129	31	38.2	1	0.32
594	81 Leonis τ	5.1	...	11	21	2.83	56	24	22.8	1	0.09
595	... ..	9.8	1	11	21	48.06	128	23	27.1	1	0.22

577.—Comparison star for Thalia in 1962.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
561	... ..	+ 2.7320	+ 0.0164	...	+ 19.075	+ 0.115	...	...
562	... ..	+ 2.5504	+ 0.0222	...	+ 19.084	+ 0.106	...	...
563	Taylor 4945 ...	+ 2.4921	+ 0.0296	...	+ 19.101	+ 0.103	...	...
564	Taylor 4955 ...	+ 2.4515	+ 0.0250	...	+ 19.147	+ 0.097	...	...
565	... ..	+ 2.5387	+ 0.0230	...	+ 19.179	+ 0.100	...	...
566	50 Leonis c ...	+ 3.1177	- 0.0052	- 0.005	+ 19.224	+ 0.122	+ 0.06	3769
567	... ..	+ 2.6845	+ 0.0204	...	+ 19.226	+ 0.103	...	...
568	50 Urs. Maj. a (Dubhe) ...	+ 3.7853	- 0.0821	- 0.017	+ 19.264	+ 0.144	+ 0.09	3777
569	... ..	+ 2.4490	+ 0.0274	...	+ 19.271	+ 0.091	...	...
570	... ..	+ 2.5437	+ 0.0262	...	+ 19.304	+ 0.093	...	...
571	... ..	+ 2.6429	+ 0.0263	...	+ 19.305	+ 0.092	...	...
572	Lacaille 4576 ...	+ 2.7762	+ 0.0179	...	+ 19.323	+ 0.100	...	...
573	63 Leonis x ...	+ 3.1225	- 0.0056	- 0.024	+ 19.328	+ 0.113	+ 0.08	3788
574	... ..	+ 2.6329	+ 0.0242	...	+ 19.332	+ 0.094	...	...
575	Lacaille 4595 ...	+ 2.4913	+ 0.0287	...	+ 19.359	+ 0.087	...	...
576	... ..	+ 2.7255	+ 0.0216	...	+ 19.396	+ 0.093	...	...
577	67 Leonis ...	+ 3.2320	- 0.0164	+ 0.003	+ 19.408	+ 0.111	+ 0.01	3809
578	Lalande 21371 ...	+ 3.1415	- 0.0076	...	+ 19.451	+ 0.106	...	...
579	Lalande 21416 ...	+ 3.2054	- 0.0144	...	+ 19.482	+ 0.108	...	...
580	... ..	+ 3.1059	- 0.0043	...	+ 19.496	+ 0.098	...	...
581	... ..	+ 2.5520	+ 0.0311	...	+ 19.499	+ 0.079	...	...
582	68 Leonis δ ...	+ 3.1913	- 0.0182	+ 0.011	+ 19.521	+ 0.098	+ 0.14	3834
583	... ..	+ 2.6240	+ 0.0291	...	+ 19.525	+ 0.079	...	...
584	... ..	+ 2.5396	+ 0.0441	...	+ 19.553	+ 0.074	...	...
585	... ..	+ 2.6406	+ 0.0304	...	+ 19.571	+ 0.076	...	...
586	74 Leonis φ ...	+ 3.0573	+ 0.0006	- 0.009	+ 19.577	+ 0.089	+ 0.04	3848
587	... ..	+ 2.8543	+ 0.0186	...	+ 19.603	+ 0.080	...	...
588	δ Crateris ...	+ 3.0033	+ 0.0064	- 0.009	+ 19.629	+ 0.081	- 0.18	3850
589	... ..	+ 2.6465	+ 0.0200	...	+ 19.633	+ 0.077	...	...
590	... ..	+ 2.6098	+ 0.0197	...	+ 19.685	+ 0.072	...	...
591	Lacaille 4726 ...	+ 2.8972	+ 0.0324	...	+ 19.690	+ 0.067	...	...
592	Taylor 5220 ...	+ 2.8580	+ 0.0225	...	+ 19.737	+ 0.066	...	...
593	... ..	+ 2.5782	+ 0.0202	...	+ 19.743	+ 0.065	...	...
594	84 Leonis τ ...	+ 3.0663	- 0.0020	- 0.001	+ 19.766	+ 0.072	+ 0.02	3900
595	... ..	+ 2.8963	+ 0.0205	...	+ 19.777	+ 0.061	...	...

577.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
596	Taylor 5245 ... 2nd ..	8.4	2	11	22	8.39	131	56	29.8	2	0.30
597	... ..	8.0	1	11	22	29.33	129	4	56.5	1	0.20
598	... ..	8.9	1	11	22	53.83	145	51	23.2	1	0.32
599	... ..	9.6	1	11	23	29.47	23	21	52.2	1	0.33
600	... ..	9.0	1	11	24	40.63	146	9	35.0	1	0.29
601	... ..	9.3	1	11	24	46.91	84	43	3.4	1	0.18
602	... ..	9.4	1	11	25	53.40	128	25	25.6	1	0.32
603	... ..	8.8	1	11	26	20.89	143	51	55.8	1	0.35
604	... ..	9.3	2	11	28	25.70	128	20	47.6	2	0.32
605	λ Centauri... ..	3.4	...	11	29	37.14	152	16	42.5	3	0.24
606	... ..	7.9	1	11	29	56.62	149	16	22.7	1	0.27
607	β Leonis ν	4.5	...	11	30	5.28	90	5	4.7	10	0.25
608	... ..	9.3	1	11	32	14.96	144	15	11.4	1	0.35
609	... ..	8.2	1	11	33	13.21	144	15	15.7	1	0.36
610	W. B. E. XI. 571	8.0	3	11	33	31.88	88	18	21.8	3	0.17
611	... ..	8.0	1	11	34	3.32	127	49	56.4	1	0.32
612	... ..	8.6	1	11	34	26.14	144	21	21.9	1	0.34
613	... ..	9.2	2	11	36	8.93	139	40	56.7	2	0.29
614	Taylor 5394	6.0	1	11	37	8.55	151	44	44.0	1	0.31
615	... ..	8.9	1	11	38	48.00	129	31	43.1	1	0.32
616	... ..	9.5	1	11	41	2.81	149	52	44.0	1	0.21
617	... ..	9.2	1	11	41	14.88	126	31	5.5	1	0.17
618	β Leonis β (Deneb)	2.2	...	11	42	13.32	74	40	46.7	7	0.27
619	Taylor 5421	7.7	3	11	43	16.94	129	31	54.0	3	0.29
620	δ Virginis β	3.7	...	11	43	42.98	57	28	52.6	1	0.16
621	Taylor 5427	6.7	...	11	44	11.33	94	35	20.9	1	0.09
622	Taylor 5433	8.3	1	11	44	57.38	129	33	41.7	1	0.23
623	Groombridge 1830	7.5	3	11	45	14.79	51	19	10.7	3	0.30
624	δ Ursa Majoris γ	2.6	...	11	46	46.81	35	33	37.7	1	0.28
625	Lacaille 4937	7.2	3	11	48	21.36	152	32	2.1	3	0.29
626	Lacaille 4946	8.1	3	11	50	15.81	152	30	13.1	5	0.34
627	... ..	7.9	2	11	50	43.14	150	22	38.6	2	0.27
628	Lacaille 4956	8.1	1	11	51	15.99	154	34	38.0	1	0.27
629	... ..	9.7	2	11	52	45.41	154	38	28.5	2	0.32
630	Taylor 5534	7.5	...	11	56	55.62	143	58	1.5	1	0.28

599.—Comparison star for Comet 2, 1861.

601.—Observed in mistake for Amphitrite in 1860.

610.—Comparison star for Amphitrite in 1862.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
596	Taylor 5245 2nd ..	+ 2.8746	+ 0.0230	...	+ 19.782	+ 0.060	...	...
597	.. ..	+ 2.8939	+ 0.0209	...	+ 19.783	+ 0.060	...	...
598	.. ..	+ 2.7537	+ 0.0344	...	+ 19.792	+ 0.056	...	...
599	.. ..	+ 3.5630	- 0.0905	...	+ 19.801	+ 0.074	...	...
600	.. ..	+ 2.7600	+ 0.0352	...	+ 19.818	+ 0.053	...	...
601	.. ..	+ 3.0910	- 0.0028	...	+ 19.818	+ 0.060	...	...
602	.. ..	+ 2.9150	+ 0.0211	...	+ 19.834	+ 0.054	...	...
603	.. ..	+ 2.8041	+ 0.0335	...	+ 19.840	+ 0.051	...	...
604	.. ..	+ 2.9269	+ 0.0214	...	+ 19.865	+ 0.050	...	...
605	α Centauri ..	+ 2.7358	+ 0.0443	0.000	+ 19.878	+ 0.044	0.00	3941
606	.. ..	+ 2.7780	+ 0.0406	...	+ 19.882	+ 0.044	...	...
607	91 Leonis ν ..	+ 3.0718	+ 0.0003	- 0.003	+ 19.885	+ 0.049	- 0.03	3946
608	.. ..	+ 2.8478	+ 0.0356	...	+ 19.908	+ 0.041	...	...
609	.. ..	+ 2.8555	+ 0.0360	...	+ 19.918	+ 0.039	...	...
610	W. B. E. XI. 371 ..	+ 3.0767	- 0.0005	...	+ 19.922	+ 0.043	...	...
611	.. ..	+ 2.9548	+ 0.0219	...	+ 19.926	+ 0.040	...	...
612	.. ..	+ 2.8645	+ 0.0364	...	+ 19.930	+ 0.037	...	...
613	.. ..	+ 2.0084	+ 0.0320	...	+ 19.946	+ 0.035	...	...
614	Taylor 5384 ..	+ 2.8244	+ 0.0470	...	+ 19.955	+ 0.032	...	3976
615	.. ..	+ 2.9700	+ 0.0237	...	+ 19.969	+ 0.031	...	...
616	.. ..	+ 2.8818	+ 0.0458	...	+ 19.986	+ 0.026	...	...
617	.. ..	+ 2.9912	+ 0.0218	...	+ 19.988	+ 0.027	...	...
618	94 Leonis β (Deneb)..	+ 3.1005	- 0.0074	- 0.036	+ 19.995	+ 0.025	+ 0.10	3995
619	Taylor 5421 ..	+ 2.9917	+ 0.0242	...	+ 20.001	+ 0.023	...	...
620	δ Virginis β ..	+ 3.0763	- 0.0003	+ 0.018	+ 20.004	+ 0.023	+ 0.28	4002
621	Taylor 5427 ..	+ 3.0647	+ 0.0034	...	+ 20.007.	+ 0.022	...	4006
622	Taylor 5433 ..	+ 2.9997	+ 0.0246	...	+ 20.012	+ 0.020	...	...
623	Groombridge 1530 ..	+ 3.1411	- 0.0239	+ 0.346	+ 20.013	+ 0.021	+ 5.78	4010
624	64 Ursæ Majoris γ ..	+ 3.1799	- 0.0433	+ 0.011	+ 20.022	+ 0.017	0.00	4017
625	Lacaille 4937 ..	+ 2.9414	+ 0.0538	...	+ 20.029	+ 0.013	...	...
626	Lacaille 4946 ..	+ 2.9630	+ 0.0546	...	+ 20.037	+ 0.009	...	...
627	.. ..	+ 2.9769	+ 0.0506	...	+ 20.038	+ 0.009	...	...
628	Lacaille 4956 ..	+ 2.9649	+ 0.0508	...	+ 20.040	+ 0.008	...	...
629	.. ..	+ 2.9829	+ 0.0609	...	+ 20.045	+ 0.005	...	...
630	Taylor 5534 ..	+ 3.0475	+ 0.0421	...	+ 20.053	- 0.003	...	...

605.—Proper motions from "Ston's Cape Catalogue."

623.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year.
				h.	m.	s.	°	'	"		
631	R. P. L. 89	6.3	...	11	57	57.66	3	40	16.0	4	0.33
632	... ..	8.0	1	11	59	7.57	128	28	23.7	1	0.28
633	... ..	9.3	3	11	59	37.59	150	20	15.9	3	0.30
634	... ..	8.0	1	11	59	50.64	144	16	51.8	2	0.35
635	... ..	8.2	1	12	1	13.94	150	22	9.4	1	0.27
636	... ..	9.4	1	12	1	43.43	130	2	16.6	1	0.36
637	Lacaille 5041	7.9	1	12	2	39.11	141	23	54.2	1	0.36
638	10 Virginia	6.1	...	12	2	49.32	87	21	0.6	2	0.17
639	2 Corvi e	3.1	...	12	3	14.22	111	52	26.8	11	0.29
640	... ..	8.8	1	12	3	44.96	145	57	45.7	1	0.23
641	... ..	8.0	1	12	5	54.49	134	8	46.2	1	0.35
642	... ..	8.0	1	12	6	18.80	138	28	12.5	1	0.26
643	... ..	9.2	1	12	6	35.48	142	51	20.6	1	0.37
644	... ..	8.7	2	12	11	58.24	150	23	30.9	2	0.36
645	Taylor 5648	6.9	1	12	12	37.69	152	6	33.5	1	0.33
646	R. P. L. 92	6.7	...	12	12	55.34	2	40	5.6	1	0.31
647	15 Virginia η	4.1	...	12	13	24.09	89	55	19.9	7	0.27
648	... ..	9.2	3	12	14	10.26	143	45	29.2	3	0.37
649	Lacaille 5119	8.9	1	12	15	27.96	138	34	57.2	1	0.23
650	... ..	8.0	2	12	15	58.57	141	40	35.2	2	0.27
651	... ..	8.3	1	12	16	52.76	147	10	25.2	1	0.35
652	α Crucis ... 1st..	1.5	...	12	19	10.25	152	21	23.2	2	0.31
653	... ..	8.8	1	12	19	23.96	144	4	50.0	1	0.39
654	... ..	8.9	2	12	24	45.44	150	59	17.4	2	0.31
655	9 Corvi β	2.8	...	12	27	21.45	112	39	12.8	8	0.33
656	... ..	8.4	1	12	27	55.79	141	40	33.6	1	0.35
657	25 Virginia f	5.9	...	12	29	53.47	105	5	34.3	1	0.33
658	... ..	8.8	1	12	30	57.38	142	20	19.5	1	0.34
659	R Virginia Var. 2	7.5	1	12	31	42.04	82	16	28.5	1	0.25
660	Taylor 5830	7.0	1	12	34	33.57	144	1	33.3	1	0.37
661	29 Virginia γ ... 1st..	3.5	...	12	34	52.26	99	42	49.3	4	0.28
662	S Ursa Majoris Var. 2. ...	9.7	1	12	38	3.87	28	10	21.3	1	0.40
663	Taylor 5863	7.5	4	12	38	28.48	143	32	42.8	4	0.35
664	... ..	9.0	1	12	39	32.57	143	50	58.3	1	0.36
665	... ..	8.8	2	12	42	31.32	147	19	23.2	2	0.39

631.—Groombridge 1850.

646.—Groombridge 1871.

659.—R Virginia Var. 2.—Period 146 days.—Range, 6.5 to 11th magnitude.

667.—S Ursa Majoris Var. 2.—Period 225 days.—Range, 7th to 12th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
631	R. P. L. 89 ..	+ 3.2571	- 0.5199	...	+ 20.034	- 0.005	..	4070
632	... ..	+ 3.0681	+ 0.0235	...	+ 20.055	- 0.007	..	...
633	... ..	+ 3.0683	+ 0.0542	..	+ 20.055	- 0.008	...	...
634	... ..	+ 3.0708	+ 0.0434	...	+ 20.055	- 0.009	...	...
635	... ..	+ 3.0847	+ 0.0549	..	+ 20.054	- 0.011	...	...
636	... ..	+ 3.0806	+ 0.0273	...	+ 20.054	- 0.012	...	...
637	Lacaille 5041 ..	+ 3.0915	+ 0.0400	...	+ 20.054	- 0.014	...	...
638	10 Virginia ...	+ 3.0714	+ 0.0007	- 0.001	+ 20.054	- 0.013	+ 0.21	4094
639	2 Corvi	+ 3.0796	+ 0.0142	- 0.005	+ 20.053	- 0.016	- 0.01	4097
640	... ..	+ 3.1044	+ 0.0473	...	+ 20.052	- 0.016	...	...
641	... ..	+ 3.1055	+ 0.0318	...	+ 20.048	- 0.021	..	...
642	... ..	+ 3.1137	+ 0.0309	...	+ 20.047	- 0.022	...	...
643	... ..	+ 3.1228	+ 0.0430	...	+ 20.047	- 0.022	...	...
644	... ..	+ 3.1950	+ 0.0592	...	+ 20.028	- 0.033	...	...
645	Taylor 5618 ..	+ 3.2112	+ 0.0610	...	+ 20.024	- 0.035	...	...
646	R. P. L. 92 ..	+ 1.5398	+ 0.0019	+ 0.415	+ 20.023	- 0.022	+ 0.08	4150
647	15 Virginia γ ...	+ 3.0720	+ 0.0027	- 0.007	+ 20.022	- 0.035	+ 0.03	4145
648	... ..	+ 3.1847	+ 0.0461	..	+ 20.017	- 0.038	...	...
649	Lacaille 5119 ..	+ 3.1743	+ 0.0388	...	+ 20.009	- 0.040	...	...
650	... ..	+ 3.1899	+ 0.0435	...	+ 20.006	- 0.042	...	...
651	... ..	+ 3.2245	+ 0.0535	..	+ 20.000	- 0.044	...	...
652	α Crucis .. 1st..	+ 3.2551	+ 0.0680	- 0.006	+ 19.986	- 0.050	+ 0.04	4187
653	... ..	+ 3.2251	+ 0.0482	...	+ 19.983	- 0.049	...	...
654	... ..	+ 3.3321	+ 0.0658	...	+ 19.938	- 0.061	...	...
655	9 Corvi β ..	+ 3.1384	+ 0.0164	- 0.008	+ 19.913	- 0.064	+ 0.07	4234
656	... ..	+ 3.2778	+ 0.0459	...	+ 19.906	- 0.067	...	...
657	25 Virginia f... ..	+ 3.0875	+ 0.0063	- 0.004	+ 19.885	- 0.069	+ 0.03	4247
658	... ..	+ 3.3053	+ 0.0476	...	+ 19.872	- 0.074	...	...
659	R Virginia, Var. 2 ...	+ 3.0471	- 0.0008	...	+ 19.863	- 0.070	...	...
660	Taylor 5830	+ 3.3458	+ 0.0618	...	+ 19.827	- 0.082	...	4266
661	29 Virginia γ 1st..	+ 3.0745	+ 0.0043	- 0.037	+ 19.824	- 0.078	+ 0.05	4268
662	S Ursa Majoris, Var. 2	+ 2.6594	- 0.0360	...	+ 19.779	- 0.073	..	...
663	Taylor 5831 ..	+ 3.3783	+ 0.0521	...	+ 19.773	- 0.091	...	4283
664	... ..	+ 3.3863	+ 0.0525	...	+ 19.757	- 0.093	...	...
665	... ..	+ 3.4500	+ 0.0613	...	+ 19.711	- 0.101	...	...

646.—Proper motion in Polar distance from "British Association Catalogue."

652.—Proper motions from "Stone's Cape Catalogue."

661.—Proper motions from "Greenwich Catalogue 1872"

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
666	... ..	8.0	2	12	44	50.52	141	56	17.3	2	0.37
667	R. P. L. 99	5.6	...	12	48	10.52	5	51	32.5	2	0.27
668	... ..	9.0	1	12	48	35.11	125	25	59.5	1	0.36
669	... ..	9.0	1	12	48	59.92	149	24	55.6	1	0.39
670	12 Canis Venaticorum ...	3.1	...	12	40	45.33	50	57	27.1	1	0.31
671	Taylor 5974	8.0	1	12	52	1.59	143	39	10.6	1	0.35
672	... ..	8.5	3	12	55	9.64	124	23	41.6	3	0.37
673	48 Virginia	6.6	...	12	57	0.27	92	56	31.3	2	0.24
674	... ..	9.3	1	12	57	5.97	123	25	50.9	1	0.39
675	Lacaille 5381	7.9	1	12	57	14.68	129	57	43.1	1	0.27
676	.. ..	9.5	1	12	58	12.73	124	29	21.4	1	0.40
677	... ..	7.5	2	12	58	22.42	124	23	31.8	2	0.36
678	Taylor 6025	7.7	3	12	59	34.21	123	24	2.5	3	0.35
679	51 Virginia 6	4.4	...	13	3	0.78	94	49	21.0	6	0.33
680	W Virginia Var. 1 ...	8.2	2	13	7	0.58	105	50	33.6	2	0.34
681	R. P. L. 101	7.5	...	13	10	4.05	1	37	56.7	3	0.34
682	... ..	8.3	1	13	12	59.66	122	57	12.3	1	0.37
683	Taylor 6148	7.4	3	13	14	18.54	128	8	57.5	3	0.37
684	O. A. N. 13503	9.1	1	13	15	28.84	27	53	51.8	1	0.40
685	... ..	9.6	2	13	17	13.78	128	10	4.2	2	0.34
686	67 Virginia a (<i>Spica</i>) ...	1.2	...	13	18	8.14	100	27	40.2	5	0.29
687	Lacaille 5546	9.2	1	13	19	48.77	143	28	0.4	1	0.40
688	R. P. L. 103	7.3	...	13	20	11.27	4	32	45.7	1	0.30
689	... ..	10.7	1	13	23	24.21	8	38	53.4	1	0.40
690	... ..	9.0	2	13	24	54.28	128	9	15.9	2	0.34
691	... ..	9.0	1	13	24	50.41	124	9	43.9	1	0.44
692	76 Virginia A	5.5	...	13	25	54.77	99	28	25.0	3	0.29
693	S Virginia Var. 6	7.5	3	13	26	0.12	96	30	20.7	3	0.38
694	79 Virginia 5	3.5	...	13	27	52.01	80	54	35.6	4	0.38
695	Taylor 7183	7.0	2	13	28	20.53	131	43	46.0	2	0.31
696	... ..	7.7	1	13	33	5.21	129	2	11.1	1	0.43
697	... ..	9.5	1	13	34	10.06	129	10	33.4	1	0.40
698	82 Virginia m	5.3	.	13	34	34.06	98	1	33.5	1	0.24
699	.. ..	8.2	1	13	35	49.90	128	4	4.0	1	0.23
700	... ..	9.2	1	13	36	21.54	128	5	57.1	1	0.33

667.—Groombridge 1940.

680.—W Virginia Var. 1.—Irregularly variable from 7th to 10.5 magnitude.

681.—Groombridge 2006.

689.—Groombridge 2007.

689.—Observed in mistake for Europa in 1894.

693.—S Virginia Var. 6.—Period 374 days.—Range, 6th to 12.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
666	... ..	+ 3.4040	+ 0.0498	...	+ 19.672	+ 0.104	...	...
667	R. P. L. 99...	+ 0.3533	+ 0.2250	- 0.017	+ 19.613	- 0.019	- 0.04	4342
668	... ..	+ 3.2723	+ 0.0279	...	+ 19.606	- 0.108	...	...
669	... ..	+ 3.5321	+ 0.0692	...	+ 19.598	- 0.118	...	...
670	12 Canis Venaticorum	+ 2.8385	- 0.0152	- 0.023	+ 19.585	- 0.098	- 0.06	4346
671	Taylor 5974 ...	+ 3.4810	+ 0.0546	...	+ 19.540	- 0.122	...	...
672	... ..	+ 3.2903	+ 0.0275	...	+ 19.477	- 0.122	...	...
673	48 Virginis ...	+ 3.0890	+ 0.0065	- 0.004	+ 19.438	- 0.119	+ 0.03	4373
674	... ..	+ 3.2897	+ 0.0268	...	+ 19.436	- 0.126	...	...
675	Lacaille 5381	+ 3.3491	+ 0.0335	...	+ 19.433	- 0.128	...	...
676	... ..	+ 3.3029	+ 0.0278	...	+ 19.411	- 0.129	...	...
677	... ..	+ 3.3027	+ 0.0278	...	+ 19.408	- 0.129	...	...
678	Taylor 6025 ...	+ 3.2987	+ 0.0269	...	+ 19.382	- 0.132	...	...
679	51 Virginis ...	+ 3.1027	+ 0.0078	- 0.004	+ 19.302	- 0.132	+ 0.04	4401
680	W Virginis Var. 1	+ 3.1814	+ 0.0142	...	+ 19.204	- 0.142	...	...
681	R. P. L. 101	+ 11.0484	+ 8.2000	...	+ 19.125	+ 0.477	...	...
682	... ..	+ 3.3135	+ 0.0273	...	+ 19.046	- 0.161	...	...
683	Taylor 6148 ...	+ 3.4066	+ 0.0328	...	+ 19.010	- 0.166	...	...
684	O. A. N. 13563	+ 2.2555	- 0.0189	...	+ 18.978	- 0.114	...	...
685	... ..	+ 3.4190	+ 0.0331	...	+ 18.927	- 0.173	...	...
686	67 Virginis a (Spica).	+ 3.1546	+ 0.0116	- 0.005	+ 18.901	- 0.163	+ 0.04	4480
687	Lacaille 5546	+ 3.6880	+ 0.0589	...	+ 18.851	- 0.192	...	...
688	R. P. L. 103	+ 2.0921	+ 0.9802	...	+ 18.840	+ 0.127	...	4498
689	... ..	+ 3.0609	+ 0.0055	...	+ 18.740	- 0.267	...	...
690	... ..	+ 3.4524	+ 0.0334	...	+ 18.694	- 0.190	...	...
691	... ..	+ 3.4008	+ 0.0291	...	+ 18.693	- 0.188	...	...
692	76 Virginis A	+ 3.1538	+ 0.0113	- 0.004	+ 18.662	- 0.176	+ 0.02	4521
693	S Virginis Var. 6	+ 3.1280	+ 0.0096	...	+ 18.659	- 0.175	...	...
694	79 Virginis 5	+ 3.0712	+ 0.0064	- 0.019	+ 18.600	- 0.176	- 0.06	4532
695	Taylor 7183 ...	+ 3.5213	+ 0.0381	...	+ 18.578	- 0.201	...	...
696	... ..	+ 3.5004	+ 0.0349	...	+ 18.423	- 0.210	...	...
697	... ..	+ 3.5073	+ 0.0351	...	+ 18.396	- 0.212	...	...
698	82 Virginis m	+ 3.1477	+ 0.0108	- 0.010	+ 18.371	- 0.192	0.00	4565
699	... ..	+ 3.4073	+ 0.0338	...	+ 18.327	- 0.215	...	...
700	... ..	+ 3.5000	+ 0.0339	...	+ 18.308	- 0.216	...	...

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
701	Taylor 6366	7.5	1	13	37	1.26	151	46	42.2	1	0.43
702	... ..	7.8	1	13	37	38.07	128	20	54.2	1	0.80
703	... ..	8.6	1	13	43	21.36	123	7	7.8	1	0.44
704	... ..	8.4	2	13	43	31.00	123	13	40.5	2	0.43
705	... ..	8.3	1	13	44	22.04	127	57	20.9	1	0.30
706	8 Bootis η	2.9	...	13	48	18.25	70	55	45.6	5	0.35
707	... ..	8.8	1	13	52	22.74	151	31	14.6	1	0.44
708	β Centauri... ..	1.2	...	13	54	23.95	119	43	29.9	2	0.35
709	93 Virginis τ	4.4	..	13	54	49.67	87	48	21.5	11	0.37
710	Lacaille 5794	6.9	1	13	57	13.97	152	48	8.2	1	0.43
711	94 Virginis	6.5	...	13	59	12.18	98	15	3.1	1	0.40
712	Taylor 6570	8.4	1	14	0	9.00	149	56	38.8	1	0.43
713	R. P. L. 108	7.3	...	14	3	39.57	3	36	3.2	1	0.93
714	Taylor 6616	5.6	...	14	5	38.86	116	27	24.1	1	0.44
715	98 Virginis κ	4.3	...	14	5	45.07	99	38	54.5	2	0.36
716	16 Bootis α (<i>Arcturus</i>) ...	0.0	...	14	0	33.01	70	7	8.6	11	0.38
717	... ..	8.1	2	14	14	35.46	150	46	39.0	2	0.43
718	Taylor 6721	7.0	1	14	17	29.09	101	3	32.4	1	0.43
719	Taylor 6740	8.0	1	14	19	12.77	133	43	29.0	1	0.37
720	... ..	8.5	1	14	20	4.88	127	9	26.0	1	0.37
721	25 Bootis ρ	3.6	...	14	26	3.18	50	2	22.4	5	0.39
722	α Centauri ... 1st...	1.0	...	14	30	31.24	150	16	55.3	3	0.41
723	36 Bootis ϵ (<i>Mirac.</i>) ...	2.6	...	14	39	7.99	62	21	35.7	4	0.42
724	9 Libræ α^1	3.0	...	14	43	28.09	105	28	29.2	4	0.38
725	O. A. S. 14112	7.9	2	14	50	59.89	109	11	13.3	3	0.43
726	... ..	9.0	1	14	51	26.94	39	20	10.0	1	0.43
727	O. A. S. 15004	7.8	1	14	53	50.56	39	21	32.9	1	0.43
728	Taylor 7017	7.0	1	14	57	14.77	150	36	26.0	1	0.44
729	43 Bootis ϕ	4.5	..	14	58	42.22	62	31	43.5	5	0.44
730	21 Libræ ϵ^1	5.4	...	14	59	9.15	105	41	6.8	1	0.33
731	R. P. L. 111.	6.9	..	15	5	29.87	5	31	53.9	1	0.89
732	27 Libræ β	2.7	..	15	9	47.99	98	53	11.3	8	0.45
733	... ..	9.0	1	15	14	19.77	123	7	55.6	1	0.54
734	S Serpentis Var. 3. ...	10.2	1	15	15	23.20	75	12	12.9	1	0.28
735	S Corvæ Borealis Var 2. ...	9.5	1	15	15	56.32	58	8	58.5	1	0.49

713.—Groombridge 2099.

722.—The 1st and brightest star.

725.—Comparison star for 1st in 1861.

726.—727.—Comparison stars for Comet 2, of 1861

731.—Groombridge 2213.

734.—S Serpentis Var. 3.—Period 261 days.—Range, 8th to 12.5 magnitude.

735.—S Corvæ Borealis Var 2.—Period 361 days.—Range, 6th to 12th magnit.

Observed with the Mural Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
701	Taylor 6366 ...	+ 4.0951	+ 0.0909	...	+ 18.294	- 0.253	...	...
702	... ..	+ 3.5145	+ 0.0316	...	+ 18.263	- 0.220	...	...
703	... ..	+ 3.4523	+ 0.0287	...	+ 18.050	- 0.227	...	...
704	... ..	+ 3.4544	+ 0.0288	...	+ 18.044	- 0.228	...	...
705	... ..	+ 3.5308	+ 0.0341	...	+ 18.011	- 0.235	...	...
706	8 Bootis η ...	+ 2.8617	- 0.0006	- 0.004	+ 17.857	- 0.190	+ 0.36	4648
707	... ..	+ 4.2327	+ 0.0220	...	+ 17.692	- 0.290	...	...
708	β Centauri ...	+ 4.1683	+ 0.0341	- 0.010	+ 17.608	- 0.301	+ 0.03	4660
709	93 Virginia γ ...	+ 3.0476	+ 0.0064	+ 0.001	+ 17.589	- 0.221	+ 0.07	4672
710	Lacaille 5794 ...	+ 4.3457	+ 0.0096	...	+ 17.489	- 0.318	...	...
711	94 Virginia δ ...	+ 3.1685	+ 0.0115	- 0.002	+ 17.403	- 0.237	+ 0.01	4688
712	Taylor 6370 ...	+ 4.2288	+ 0.0553	...	+ 17.361	- 0.315	...	...
713	R. P. L. 108 ...	+ 7.8448	+ 2.4989	...	+ 17.204	+ 0.581	...	...
714	Taylor 6016 ...	+ 4.1231	+ 0.0686	...	+ 17.116	- 0.320	...	4700
715	98 Virginia ϵ ...	+ 3.1907	+ 0.0122	+ 0.001	+ 17.111	- 0.250	- 0.02	4716
716	16 Bootis α (Arcturus) ...	+ 2.5132	+ 0.0004	- 0.079	+ 16.936	- 0.227	+ 1.03	4720
717	... ..	+ 4.3064	+ 0.0300	...	+ 16.695	- 0.362	...	...
718	Taylor 6721 ...	+ 3.2196	+ 0.0132	...	+ 16.553	- 0.272	...	4772
719	Taylor 6740 ...	+ 3.5020	+ 0.0123	...	+ 16.467	- 0.323	...	...
720	... ..	+ 3.6336	+ 0.0334	...	+ 16.424	- 0.313	...	...
721	25 Bootis ρ ...	+ 2.5947	- 0.0015	- 0.008	+ 16.119	- 0.233	- 0.14	4808
722	α Centauri, 1st ...	+ 4.5013	+ 0.0578	- 0.476	+ 15.886	- 0.410	- 0.81	4832
723	36 Bootis ϵ (Mirac.) ...	+ 2.6240	- 0.0001	- 0.005	+ 15.412	- 0.252	- 0.01	4876
724	9 Libræ α^1 ...	+ 3.3143	+ 0.0154	- 0.007	+ 15.166	- 0.324	+ 0.06	4895
725	O. A. S. 16112 ...	+ 3.3879	+ 0.0175	...	+ 14.727	- 0.341	...	...
726	... ..	+ 1.9623	+ 0.0014	...	+ 14.700	- 0.201	...	...
727	O. A. N. 15004 ...	+ 1.9503	+ 0.0017	...	+ 14.550	- 0.202	...	...
728	Taylor 7017 ...	+ 4.7301	+ 0.0866	...	+ 14.350	- 0.488	...	...
729	43 Bootis ϕ ...	+ 2.5833	+ 0.0010	- 0.013	+ 14.258	- 0.231	0.00	4700
730	21 Libræ ϵ^1 ...	+ 3.3375	+ 0.0153	- 0.004	+ 14.233	- 0.349	+ 0.03	4970
731	R. P. L. 111 ...	- 0.0208	+ 1.8443	...	+ 13.836	+ 0.725	...	5022
732	27 Libræ β ...	+ 3.2260	+ 0.0117	- 0.009	+ 13.562	- 0.353	+ 0.01	5034
733	... ..	+ 3.7265	+ 0.0264	...	+ 13.267	- 0.414	...	...
734	S Serpentis Var. 3 ...	+ 2.8061	+ 0.0042	...	+ 13.197	- 0.314	...	...
735	S Corona Borealis Var 2 ...	+ 2.4454	+ 0.0014	...	+ 13.161	- 0.275	...	...

711.—Proper motions from "Greenwich Catalogue 1872."

722.—Proper motions from "Newcomb's Catalogue."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
736	Lacaille 6377 ...	8.0	1	15	19	1.84	130	11	20.4	1	0.39
737	... ..	9.3	1	15	20	31.65	130	9	1.0	1	0.30
738	W. B. E. XV. 395 ...	8.0	1	15	22	5.17	101	15	55.5	1	0.39
739	Taylor 7220 ...	8.0	...	15	22	14.08	123	7	0.2	2	0.51
740	38 Libræ γ ...	4.0	...	15	23	2.03	104	20	24.3	1	0.40
741	5 Cor. Bor. α (<i>Alpha</i>) ..	2.4	...	15	29	0.89	62	49	59.0	4	0.48
742	W. B. E. XV. 587 ...	7.8	1	15	31	59.69	103	27	58.9	1	0.43
743	W. B. E. XV. 645 ..	9.1	1	15	34	29.23	102	19	40.2	1	0.39
744	... ..	8.5	1	15	34	58.68	129	1	50.9	1	0.33
745	44 Serpentis α ...	2.7	...	15	37	40.06	83	9	3.7	2	0.40
746	O. A. S. 14874 ...	8.3	...	15	39	31.93	104	49	3.6	1	0.46
747	O. A. S. 14934 ...	9.4	2	15	42	56.17	107	52	47.7	2	0.54
748	W. B. E. XV. 838 ...	7.7	1	15	44	6.60	104	27	21.5	1	0.43
749	O. A. S. 14963 ...	7.0	1	15	44	35.18	108	1	54.7	1	0.56
750	46 Libræ θ ...	4.3	...	15	46	11.82	106	20	1.2	2	0.33
751	Radcliffe 3462 ...	8.0	1	15	46	21.70	47	1	35.2	1	0.39
752	16 Ursæ Minoris 5 ...	4.5	...	15	48	55.08	11	47	40.3	1	0.51
753	49 Libræ ...	5.6	...	15	52	48.58	106	8	9.1	1	0.41
754	8 Scorpii β ¹ ...	3.0	...	15	57	38.87	109	26	10.2	5	0.36
755	O. A. S. 15237 ...	8.2	2	15	59	25.57	106	34	43.5	2	0.47
756	Lalande 29306 ...	8.4	2	15	59	33.13	107	34	20.0	2	0.43
757	R Herculis Var. 2 ...	9.5	1	16	0	12.28	71	16	3.7	1	0.37
758	Lalande 29391 ...	7.0	1	16	1	55.35	102	41	39.8	1	0.41
759	O. A. S. 15312 ...	8.0	3	16	3	33.17	107	45	50.1	3	0.43
760	R. P. L. 116 ..	6.9	...	16	4	16.85	4	19	5.7	2	0.60
761	... ..	7.7	2	16	4	18.63	107	52	54.0	2	0.40
762	W. B. E. XVI. 83 ..	9.0	1	16	6	9.00	102	41	24.6	1	0.38
763	1 Ophiuchi 3 ...	2.8	...	16	7	19.51	93	20	50.5	6	0.51
764	... ..	10.4	3	16	12	31.34	107	37	2.6	3	0.38
765	... ..	9.6	4	16	16	42.74	107	25	53.8	4	0.46
766	Taylor 8221 ..	9.0	1	16	17	23.34	115	5	37.9	1	0.55
767	7 Ophiuchi χ ...	5.0	...	16	19	15.72	108	8	37.6	1	0.40
768	21 Scorpii α (<i>Antares</i>) ..	1.1	...	16	21	11.70	116	7	54.1	4	0.48
769	14 Draconis η ...	2.5	...	16	22	10.92	28	10	54.3	1	0.55
770	9 Ophiuchi ω ...	4.7	...	16	24	11.84	111	10	36.1	2	0.40

738.—743.—Comparison stars for Sappho in 1861.

742.—746.—748.—753.—Comparison stars for Asia in 1861.

747.—749.—753.—755.—756.—759.—761.—764.—765.—Comparison stars for Sylvia in 1866.

757.—R Herculis Var. 2.—Period 319 days.—Range 5.5 to below 13th magnitude.

758.—Comparison star for Donati's Comet in 1858.

760.—Carrington 2423.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
736	Lacaille 6377	+ 3.9342	+ 0.0334	...	+ 12.956	- 0.444	...	...
737	.. ..	+ 3.9377	+ 0.0332	...	+ 12.856	- 0.447	...	...
738	W. B. E. XV. 396	+ 3.2777	+ 0.0124	...	+ 12.750	- 0.374	...	...
739	Taylor 7230	+ 3.7456	+ 0.0258	...	+ 12.741	- 0.427	...	...
740	39 Libræ γ	+ 3.3415	+ 0.0136	+ 0.002	+ 12.344	- 0.359	- 0.02	6134
741	5 Cor. Bor. α (Alpha)	+ 2.5295	+ 0.0023	+ 0.009	+ 12.277	- 0.297	+ 0.07	5143
742	W. B. E. XV. 587	+ 3.3279	+ 0.0131	...	+ 12.070	- 0.393	...	...
743	W. B. E. XV. 645	+ 3.3073	+ 0.0125	...	+ 11.895	- 0.393	...	...
744	.. ..	+ 3.9461	+ 0.0302	...	+ 11.860	- 0.471	...	...
745	24 Serpentis α	+ 2.9414	+ 0.0062	+ 0.009	+ 11.670	- 0.354	- 0.06	5196
746	O. A. S. 14874	+ 3.3615	+ 0.0133	...	+ 11.533	- 0.405	...	...
747	O. A. S. 14934	+ 3.4286	+ 0.0145	...	+ 11.291	- 0.418	...	...
748	W. B. E. XV. 839	+ 3.3579	+ 0.0130	...	+ 11.207	- 0.411	...	...
749	O. A. S. 14963	+ 3.4336	+ 0.0145	...	+ 11.172	- 0.421	...	...
750	46 Libræ θ	+ 3.3991	+ 0.0136	+ 0.009	+ 11.064	- 0.418	- 0.12	5257
751	Radcliffe 3462	+ 2.0324	+ 0.0033	...	+ 11.039	- 0.262	...	...
752	16 Ursæ Minoris 5	- 2.3116	+ 0.2041	+ 0.029	+ 10.856	+ 0.278	+ 0.08	5285
753	49 Libræ ..	+ 3.4009	+ 0.0131	- 0.049	+ 10.567	- 0.427	+ 0.37	5304
754	8 Scorpii β ¹	+ 3.4781	+ 0.0142	- 0.002	+ 10.205	- 0.441	+ 0.02	5329
755	O. A. S. 15237	+ 3.4163	+ 0.0129	...	+ 10.070	- 0.435	...	...
756	Lalande 29306	+ 3.4384	+ 0.0132	...	+ 10.061	- 0.438	...	...
757	R Herculis Var. 2	+ 2.6792	+ 0.0040	...	+ 10.012	- 0.343	...	...
758	Lalande 29391	+ 3.3342	+ 0.0113	...	+ 9.881	- 0.427	...	...
759	O. A. S. 15342	+ 3.4463	+ 0.0130	...	+ 9.767	- 0.443	...	...
760	R. P. L. 116	- 12.4243	+ 1.7530	...	+ 9.701	+ 1.582	...	...
761	.. ..	+ 3.4497	+ 0.0130	...	+ 9.699	- 0.444	...	...
762	W. B. N. XVI. 83	+ 3.3368	+ 0.0110	...	+ 9.557	- 0.431	...	...
763	1 Ophiuchi β	+ 3.1410	+ 0.0081	- 0.006	+ 9.468	- 0.408	+ 0.13	5414
764	.. ..	+ 3.4508	+ 0.0123	...	+ 9.064	- 0.458	...	...
765	.. ..	+ 3.4500	+ 0.0119	...	+ 8.735	- 0.457	...	...
766	Taylor 8521	+ 3.5562	+ 0.0141	...	+ 8.609	- 0.476	...	5478
767	7 Ophiuchi χ	+ 3.4687	+ 0.0119	- 0.003	+ 8.634	- 0.462	+ 0.01	5489
768	21 Scorpii α (Antares)	+ 3.6580	+ 0.0150	- 0.001	+ 8.381	- 0.491	+ 0.03	5498
769	14 Draconis η	+ 0.8005	+ 0.0188	+ 0.006	+ 8.302	- 0.111	- 0.07	5512
770	9 Ophiuchi ω	+ 3.5455	+ 0.0126	+ 0.001	+ 8.141	- 0.476	- 0.03	5519

750.—752.—763.—769.—770.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
771	30 Hercules <i>g</i> Var. 5 ...	6.0	2	16	24	14.56	47	49	20.5	2	0.49
772	Taylor 7723 ...	5.2	...	16	33	49.43	107	28	47.1	2	0.33
773	α Trianguli Australis ...	2.2	...	16	34	30.39	159	46	39.1	1	0.54
774	40 Hercules 3 ...	3.1	...	16	36	14.06	59	9	9.7	5	0.54
775	... ..	9.0	1	16	44	32.53	131	1	44.3	1	0.54
776	Taylor 7842 ...	6.8	1	16	48	17.74	106	35	23.3	3	0.40
777	27 Ophiuchi κ ...	3.4	...	16	51	19.48	80	24	51.9	4	0.53
778	O. A. S. 16232 ...	9.6	1	16	54	4.72	110	14	52.8	1	0.56
779	... ..	9.0	1	16	55	23.86	109	56	47.3	1	0.54
780	22 Ursa Minoris ϵ ..	4.5	...	16	59	48.56	7	44	53.6	3	0.04
781	35 Ophiuchi η ...	2.6	...	17	2	41.96	105	33	22.1	1	0.41
782	... ..	8.0	...	17	5	52.61	130	50	34.2	1	0.55
783	64 Hercules α Var 1 ...	3.2	...	17	8	32.26	75	27	17.1	2	0.54
784	42 Ophiuchi θ ...	3.4	...	17	13	46.92	114	51	45.2	5	0.53
785	... ..	7.0	1	17	28	12.21	130	43	35.1	1	0.63
786	... ..	7.0	1	17	28	33.11	125	14	45.6	1	0.63
787	55 Ophiuchi α ...	2.2	...	17	29	42.83	77	20	24.5	8	0.60
788	55 Serpentis ξ ...	3.7	...	17	29	54.90	105	18	39.8	2	0.37
789	Lacaille 7406 ...	7.7	1	17	34	50.81	128	44	14.5	2	0.54
790	58 Ophiuchi ...	5.0	...	17	35	24.09	111	36	54.0	1	0.48
791	... ..	7.0	2	17	37	47.98	126	29	23.5	2	0.63
792	30 Hercules μ ...	3.5	...	17	41	12.90	62	11	56.3	4	0.50
793	Lacaille 7504 ...	7.0	1	17	48	40.45	129	6	52.9	1	0.60
794	Lacaille 7517 ..	7.7	1	17	52	34.31	140	10	25.4	1	0.63
795	Lacaille 7518 ...	7.0	1	17	52	53.80	140	12	16.4	1	0.62
796	33 Draconis γ ...	2.4	...	17	53	29.73	38	29	35.9	3	0.62
797	... ..	7.9	1	18	3	8.18	59	1	12.3	1	0.63
798	... ..	10.0	1	18	4	1.59	59	9	32.3	1	0.60
799	13 Sagittarii μ^1 ...	4.1	...	18	5	44.97	111	5	26.9	10	0.54
800	Taylor 8461 ..	5.7	...	18	14	33.17	194	10	22.7	1	0.60
801	23 Ursa Minoris δ ..	4.3	...	18	15	34.50	3	23	43.9	4	0.33
802	Lalande 33845 ..	7.0	1	18	15	42.23	102	4	37.9	2	0.62
803	δ^1 Telescopii ...	5.7	...	18	22	6.97	135	50	43.5	1	0.63
804	Taylor 8551 ...	7.2	1	18	27	28.74	149	13	38.4	1	0.62
805	... ..	7.8	1	18	28	26.16	135	31	27.6	1	0.63

771.—30 Hercules *g* Var. 5.—Changes irregularly from 5th to 6.8 magnitude.783.— α Hercules Var. 1.—Changes irregularly between 3rd and 4th magnitude.

789.—791.—793.—806.—Comparison stars for Donati's Comet in 1858.

802.—Comparison star for Asia in 1865.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
771	30 Hercules γ Var. 5...	+ 1'0619	+ 0'0012	+ 0'005	+ 8'138	- 0'265	- 0'07	5528
772	Taylor 7723	+ 3'4037	+ 0'0105	..	+ 7'365	- 0'473	..	5570
773	α Trianguli Australis.	+ 6'2780	+ 0'0007	0'000	+ 7'309	- 0'858	+ 0'06	5578
774	40 Hercules δ	+ 2'2964	+ 0'0033	- 0'034	+ 7'168	- 0'316	- 0'45	5604
775	... ..	+ 4'1730	+ 0'0198	..	+ 6'484	- 0'570	..	..
776	Taylor 7843	+ 3'4511	+ 0'0089	..	+ 6'173	- 0'482	..	5696
777	27 Ophiuchi κ	+ 2'8563	+ 0'0044	- 0'023	+ 5'920	- 0'402	- 0'02	5708
778	O. A. S. 16232	+ 3'6451	+ 0'0093	..	+ 5'689	- 0'498	..	..
779	... ..	+ 3'5382	+ 0'0091	..	+ 5'570	- 0'498	..	..
780	22 Ursæ Minoris ϵ ...	- 6'4185	+ 0'3044	+ 0'009	+ 5'206	+ 0'901	- 0'01	5780
781	35 Ophiuchi η	+ 3'4327	+ 0'0074	+ 0'001	+ 4'962	- 0'487	- 0'12	5781
782	... ..	+ 4'1958	+ 0'0148	..	+ 4'693	- 0'597	..	..
783	64 Hercules α Var. 1.	+ 2'7339	+ 0'0035	- 0'003	+ 4'465	- 0'391	- 0'04	5821
784	42 Ophiuchi θ	+ 3'6790	+ 0'0080	- 0'003	+ 4'018	- 0'528	- 0'02	5851
785	... ..	+ 4'2121	+ 0'0094	..	+ 2'773	- 0'609	..	..
786	... ..	+ 4'0079	+ 0'0079	..	+ 2'743	- 0'580	..	..
787	56 Ophiuchi α	+ 2'7745	+ 0'0030	+ 0'004	+ 2'729	- 0'402	+ 0'20	5941
788	55 Serpentis ξ	+ 3'4350	+ 0'0047	- 0'004	+ 2'625	- 0'498	+ 0'04	5949
789	Lacaille 7406	+ 4'1353	+ 0'0072	..	+ 2'197	- 0'601	..	..
790	58 Ophiuchi	+ 3'5989	+ 0'0050	- 0'010	+ 2'148	- 0'523	- 0'04	5987
791	... ..	+ 4'0564	+ 0'0064	..	+ 1'940	- 0'590	..	..
792	56 Hercules μ	+ 2'3695	+ 0'0025	- 0'026	+ 1'642	- 0'346	+ 0'74	6021
793	Lacaille 7504	+ 4'1579	+ 0'0042	..	+ 0'990	- 0'606	..	..
794	Lacaille 7517	+ 5'3115	+ 0'0053	..	+ 0'649	- 0'774	..	..
795	Lacaille 7519	+ 5'3144	+ 0'0052	..	+ 0'621	- 0'775	..	..
796	33 Draconis γ	+ 1'3915	+ 0'0080	0'000	+ 0'569	- 0'203	+ 0'04	6091
797	... ..	+ 2'2695	+ 0'0022	..	- 0'274	- 0'331	..	..
798	... ..	+ 2'2741	+ 0'0021	..	- 0'352	- 0'332	..	..
799	13 Sagittarii μ	+ 3'5875	+ 0'0009	- 0'004	- 0'503	- 0'523	+ 0'01	6168
800	Taylor 8401	+ 4'3684	- 0'0028	..	- 1'272	- 0'635	..	6228
801	23 Ursæ Minoris δ ...	- 10'4091	- 0'4553	+ 0'048	- 1'361	+ 2'525	- 0'08	6281
802	Lalande 33845	+ 3'3575	+ 0'0004	..	- 1'373	- 0'458	..	..
803	δ Telescopii	+ 4'4428	- 0'0056	- 0'003	- 1'033	- 0'643	+ 0'05	6282
804	Taylor 8551	+ 5'3012	- 0'0153	..	- 2'399	- 0'767	..	..
805	... ..	+ 4'4257	- 0'0073	..	- 2'481	- 0'640	..	..

773. — 803 — Proper motions from "Stone's Cape Catalogue."

777. — 789 — Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
806	3 Lyræ <i>a</i> (<i>Vega</i>) ..	0.2	...	18	32	24.00	51	20	22.4	8	0.63
807	Lacaille 7832 ..	7.1	1	18	37	46.15	140	5	23.8	1	0.62
808	R Scuti Var. 1 ..	7.1	4	18	40	19.65	95	50	46.9	4	0.64
809	Lacaille 7872 ..	6.5	2	18	42	29.20	136	44	55.4	2	0.65
810	Lacaille 7873 ..	7.1	2	18	43	2.34	136	14	32.4	2	0.65
811	10 Lyræ <i>β</i> Var. 1...	3.6	...	18	45	7.89	56	47	28.8	5	0.63
812	... ..	8.2	2	18	47	2.09	137	44	48.4	2	0.69
813	37 Sagittarii <i>ξ</i> ¹ ..	3.6	...	18	49	44.24	111	16	48.3	1	0.40
814	13 Lyræ Var. 2 ..	4.4	...	18	51	15.35	46	13	44.1	4	0.61
815	O. A. S. 18960 ..	7.6	3	18	53	46.20	121	7	29.7	3	0.66
816	... ..	8.0	2	18	54	18.40	122	56	5.1	3	0.67
817	39 Sagittarii <i>a</i> ..	3.9	...	18	56	39.04	111	56	5.9	2	0.64
818	17 Aquilæ 3 ..	3.1	...	18	59	14.95	76	20	0.7	5	0.64
819	... ..	9.4	1	19	0	57.83	82	1	24.2	1	0.61
820	41 Sagittarii <i>π</i> ..	3.1	...	19	1	47.52	111	14	1.6	2	0.64
821	... ..	7.9	3	19	3	15.41	139	22	32.4	3	0.68
822	... ..	7.9	3	19	3	21.27	122	50	57.3	3	0.62
823	... ..	9.0	1	19	7	14.38	129	47	29.4	1	0.70
824	... ..	7.1	4	19	8	2.61	122	7	0.6	4	0.59
825	... ..	9.8	1	19	8	26.72	129	48	50.2	1	0.61
826	... ..	7.3	2	19	9	30.17	129	46	56.5	2	0.66
827	... ..	8.0	...	19	10	6.83	107	9	28.5	1	0.70
828	... ..	7.6	1	19	10	15.29	123	30	47.6	1	0.65
829	25 Aquilæ <i>e</i> ..	5.1	...	19	11	31.53	78	38	38.6	2	0.65
830	30 Aquilæ 3 ..	3.5	...	19	13	44.39	57	9	0.2	9	0.66
831	Taylor 8950 ..	6.3	2	19	22	18.38	143	27	50.7	2	0.69
832	52 Sagittarii <i>h</i> ¹ ..	4.6	...	19	25	32.99	115	10	35.0	5	0.65
833	Lacaille 8173 ..	7.7	1	19	31	45.08	143	15	16.7	1	0.68
834	... ..	8.4	1	19	34	31.56	127	16	47.6	1	0.69
835	56 Sagittarii <i>f</i> ..	5.1	...	19	38	32.51	110	4	51.0	2	0.64
836	50 Aquilæ <i>γ</i> ..	2.8	...	19	39	53.26	79	42	40.1	5	0.64
837	8 Vulpeculæ Var. 3 ..	8.0	2	19	43	54.06	63	2	43.6	2	0.69
838	63 Aquilæ <i>a</i> (<i>Atair</i>) ..	1.0	...	19	44	14.00	81	28	59.8	4	0.65
839	57 Sagittarii ..	6.2	...	19	44	24.75	109	22	57.2	1	0.64
840	60 Aquilæ <i>β</i> ..	4.0	...	19	48	43.69	83	55	33.2	4	0.65

808.—R Scuti Var. 1.—Period 71 days.—Range, 5th to 9th magnitude.

809.—810.—Comparison stars for Donati's Comet of 1858.

811.—8 Lyræ Var. 1.—Period 1291 days.—Range, 3.5 to 4.5 magnitude.

814.—13 Lyræ Var. 2.—Period 46 days.—Range, 4.2 to 4.6 magnitude.

815.—821.—Comparison stars for Harydyce in 1806.

816.—822.—Comparison stars for Diana in 1804.

823.—Comparison star for Pandora in 1802.

837.—8 Vulpeculæ Var. 3.—Period 67.5 days.—Range, 5.5 to 9.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
806	3 Lyræ α (Vega) ...	+ 2.0131	+ 0.0016	+ 0.017	- 2.826	- 0.290	- 0.28	6355
807	Lacaille 7832 ...	+ 5.2750	- 0.0210	..	- 3.291	- 0.758	..	...
808	R Scuti Var. 1 ...	+ 3.2060	- 0.0011	...	- 3.510	- 0.458	...	...
809	Lacaille 7872 ...	+ 4.4690	- 0.0122	..	- 3.696	- 0.639	...	...
810	Lacaille 7878 ...	+ 4.4681	- 0.0124	...	- 3.744	- 0.638	...	...
811	10 Lyræ β Var. 1 ...	+ 2.2138	+ 0.0016	- 0.002	- 3.924	- 0.315	+ 0.03	6429
812	... ..	+ 4.5130	- 0.0142	...	- 4.088	- 0.643	...	...
813	37 Sagittarii 1 ^a ...	+ 3.5807	- 0.0043	- 0.001	- 4.318	- 0.508	+ 0.03	6461
814	13 Lyræ Var. 2 ...	+ 1.9232	+ 0.0008	- 0.001	- 4.448	- 0.257	0.00	6475
815	O. A. S. 18960 ...	+ 3.8573	- 0.0077	...	- 4.662	- 0.545	...	...
816	... ..	+ 3.9140	- 0.0085	...	- 4.708	- 0.553	...	...
817	39 Sagittarii ϵ ...	+ 3.5942	- 0.0053	+ 0.001	- 4.907	- 0.506	+ 0.05	6507
818	17 Aquilæ 3 ...	+ 2.7578	+ 0.0003	- 0.006	- 5.127	- 0.397	+ 0.07	6529
819	... ..	+ 2.8914	- 0.0004	...	- 5.271	- 0.405	...	...
820	41 Sagittarii ν ...	+ 3.5728	- 0.0057	- 0.004	- 5.342	- 0.500	+ 0.03	6548
821	... ..	+ 4.5717	- 0.0208	...	- 5.465	- 0.640	...	...
822	... ..	+ 3.9026	- 0.0100	...	- 5.474	- 0.546	...	...
823	... ..	+ 4.1381	- 0.0144	...	- 5.800	- 0.576	...	...
824	... ..	+ 3.8747	- 0.0104	...	- 5.867	- 0.538	...	...
825	... ..	+ 4.1372	- 0.0146	...	- 5.901	- 0.574	...	...
826	... ..	+ 4.1346	- 0.0140	...	- 5.989	- 0.573	...	...
827	... ..	+ 3.4657	- 0.0055	...	- 6.040	- 0.479	...	...
828	... ..	+ 3.9162	- 0.0115	...	- 6.052	- 0.542	...	...
829	25 Aquilæ ω ...	+ 2.8165	- 0.0003	- 0.008	- 6.158	- 0.388	- 0.02	6595
830	30 Aquilæ δ ...	+ 3.0094	- 0.0018	+ 0.014	- 6.756	- 0.410	- 0.10	6646
831	Taylor 8950 ...	+ 4.7615	- 0.0327	...	- 7.048	- 0.647	...	6689
832	52 Sagittarii λ ¹ ...	+ 3.6541	- 0.0102	+ 0.002	- 7.558	- 0.490	- 0.02	6706
833	Lacaille 8173 ...	+ 4.7211	- 0.0358	...	- 7.817	- 0.631	...	...
834	... ..	+ 4.0045	- 0.0179	...	- 8.039	- 0.533	...	...
835	56 Sagittarii f ...	+ 3.5164	- 0.0091	- 0.013	- 8.360	- 0.492	+ 0.07	6760
836	50 Aquilæ γ ...	+ 2.8520	- 0.0011	+ 0.001	- 8.466	- 0.373	0.00	6772
837	8 Vulpeculæ Var. 3. ...	+ 2.4596	+ 0.0011	...	- 8.703	- 0.319	...	...
838	53 Aquilæ α (Altair) ...	+ 2.5921	- 0.0014	+ 0.036	- 8.811	- 0.374	- 0.28	6802
839	57 Sagittarii ...	+ 3.4945	- 0.0094	- 0.008	- 8.824	- 0.454	+ 0.06	6808
840	60 Aquilæ β ...	+ 2.9455	- 0.0020	+ 0.002	- 9.162	- 0.378	+ 0.47	6833

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
841	... ..	7.9	1	19	56	54.87	130	21	15.2	1	0.69
842	λ Ursæ Minoris ...	6.5	...	19	58	11.54	1	5	32.7	4	0.14
843	... ..	8.6	3	20	7	47.21	81	22	7.6	3	0.71
844	R Sagittæ Var. 1...	9.8	1	20	7	57.46	73	40	38.3	1	0.72
845	O. A. S. 20856 ...	7.7	1	20	8	28.28	110	25	48.6	1	0.60
846	δ Capricorni α^9 ...	3.8	...	20	10	36.95	102	57	28.6	6	0.66
847	... ..	7.5	1	20	10	38.87	149	8	41.6	1	0.74
848	... ..	9.7	1	20	12	13.56	88	46	53.2	1	0.59
849	α Pavonis ...	2.1	...	20	15	1.73	147	9	39.6	1	0.66
850	Lalande 39125 ...	8.9	1	20	15	38.13	106	12	59.2	1	0.71
851	η Capricorni ρ ...	5.0	...	20	21	12.80	108	15	15.5	13	0.70
852	... ..	9.0	1	20	26	28.49	121	12	17.8	1	0.61
853	... ..	9.3	1	20	28	50.44	121	6	5.6	1	0.75
854	R. P. L. 143. ...	6.7	...	20	29	24.34	5	18	3.9	1	0.72
855	... ..	9.0	1	20	31	2.56	149	55	0.4	1	0.72
856	δ Capricorni Var. 2 ...	9.3	4	20	34	4.22	109	31	57.1	4	0.70
857	... ..	9.2	1	20	35	54.12	124	59	57.6	1	0.60
858	δ Cygni α (Deneb) ...	1.5	...	20	36	51.82	45	11	50.3	4	0.68
859	W. B. E. XX. 933 ...	8.6	2	20	36	53.33	73	22	37.6	2	0.69
860	δ Delphini Var. 2. ...	9.2	2	20	36	54.44	73	23	30.8	2	0.72
861	γ Aquarii ...	3.8	...	20	40	25.16	99	50	4.2	2	0.57
862	W. B. E. XX. 1024 ...	9.5	1	20	40	59.74	105	23	50.6	1	0.71
863	... ..	10.4	1	20	41	15.49	105	17	55.5	1	0.72
864	δ Aquarii μ ...	4.8	...	20	45	25.33	99	29	3.7	1	0.64
865	γ Vulpeculæ ...	5.1	...	20	48	50.89	62	27	2.3	8	0.74
866	Lacaille 8630 ...	7.0	2	20	51	31.67	136	38	45.6	2	0.72
867	... ..	9.0	1	20	54	6.44	142	58	47.8	1	0.78
868	... ..	10.2	2	20	58	31.18	66	42	20.8	2	0.72
869	Taylor 9772 ... 1st.	7.7	1	21	0	36.11	145	6	50.6	1	0.74
870	Taylor 9772 ... 2nd.	7.9	3	21	0	36.30	145	6	50.6	3	0.77
871	δ Cygni ... 1st.	5.5	...	21	0	53.50	51	54	28.3	3	0.75
872	η Aquarii ν ...	4.6	...	21	2	17.43	101	54	45.3	1	0.72
873	... ..	9.2	1	21	3	2.17	145	16	16.7	1	0.78
874	Lacaille 8712 ...	8.3	1	21	4	24.13	146	48	5.0	1	0.73
875	δ Cygni γ ...	3.5	...	21	7	13.01	61	19	17.0	14	0.72

844.—R Sagittæ Var. 1.—Period 70.4 days.—Range, 5.3 to 10.3 magnitude.

845.—Comparison star for Parthenope in 1862.

850.—Comparison star for Hestia in 1865.

854.—Carrington 3128.

856.— δ Capricorni Var. 2.—Supposed to change from 9th to 11th magnitude.860.— δ Delphini Var. 2.—Period 276 days.—Range, 8th to 11th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
841	.. ..	+ 4.0635	- 0.0244	...	- 0.793	- 0.513	...	...
842	λ Ursa Minoris ..	- 57.8942	- 29.8534	- 0.035	- 9.891	+ 7.349	- 0.01	6999
843	.. ..	+ 2.8999	- 0.0017	...	- 10.611	- 0.354	...	...
844	R Sagittæ Var. 1 ..	+ 2.7400	- 0.0020	...	- 10.623	- 0.186	...	...
845	O. A. S. 30856 ..	+ 3.4938	- 0.0116	...	- 10.663	- 0.427	...	...
846	δ Capricorni α^3 ..	+ 3.3311	- 0.0084	+ 0.001	- 10.822	- 0.403	0.00	6974
847	.. ..	+ 4.9562	- 0.0649	...	- 10.823	- 0.604	...	...
848	.. ..	+ 3.0482	- 0.0037	...	- 10.940	- 0.367	...	...
849	α Pavonis ..	+ 4.7942	- 0.0594	0.000	- 11.144	- 0.574	+ 0.10	7004
850	Lalande 39125 ..	+ 3.3948	- 0.0101	...	- 11.188	- 0.406	...	...
851	η Capricorni ρ ..	+ 3.4319	- 0.0115	- 0.006	- 11.590	- 0.403	+ 0.01	7042
852	.. ..	+ 3.7221	- 0.0200	...	- 11.962	- 0.431	...	...
853	.. ..	+ 3.7145	- 0.0201	...	- 12.128	- 0.427	...	...
854	R. P. L. 143 ..	- 8.3817	- 1.2620	...	- 12.168	+ 0.976	...	...
855	.. ..	+ 4.8967	- 0.0742	...	- 12.281	- 0.560	...	...
856	S Capricorni Var. 2 ..	+ 3.4432	- 0.0128	...	- 12.499	- 0.385	...	...
857	.. ..	+ 3.7999	- 0.0242	...	- 12.614	- 0.426	...	...
858	δ Cygni α (Deneb) ..	+ 2.0433	+ 0.0021	- 0.002	- 12.680	- 0.226	0.00	7171
859	W. B. E. XX. 933 ..	+ 2.7629	+ 0.0002	...	- 12.681	- 0.307	...	...
860	S Delphini Var. 2 ..	+ 2.7632	+ 0.0002	...	- 12.682	- 0.307	...	...
861	γ Aquarii ..	+ 3.2521	- 0.0084	- 0.001	- 12.919	- 0.357	+ 0.01	7196
862	W. B. E. XX. 1024 ..	+ 3.3532	- 0.0109	...	- 12.953	- 0.367	...	...
863	.. ..	+ 3.5510	- 0.0109	...	- 12.975	- 0.367	...	...
864	δ Aquarii μ ..	+ 3.2397	- 0.0083	0.000	- 13.251	- 0.349	+ 0.04	7239
865	δ Vulpeculæ ..	+ 2.5555	+ 0.0025	- 0.002	- 13.475	- 0.270	0.00	7256
866	Lacaille 8630 ..	+ 3.8009	+ 0.0272	...	- 13.647	- 0.400	...	...
867	.. ..	+ 4.3570	- 0.0553	...	- 13.812	- 0.455	...	...
868	.. ..	+ 2.6634	+ 0.0022	...	- 14.059	- 0.270	...	...
869	Taylor 9772 ... 1st ..	+ 4.4244	- 0.0624	...	- 14.218	- 0.449	...	...
870	Taylor 9772 ... 2nd ..	+ 4.4244	- 0.0624	...	- 14.218	- 0.449	...	...
871	δ Cygni ... 1st ..	+ 2.3339	+ 0.0044	+ 0.339	- 14.230	- 0.233	- 3.22	7336
872	γ Aquarii ..	+ 3.2603	- 0.0098	+ 0.001	- 14.322	- 0.328	+ 0.01	7344
873	.. ..	+ 4.4051	- 0.0626	...	- 14.368	- 0.443	...	...
874	Lacaille 8712 ..	+ 4.4533	- 0.0685	...	- 14.446	- 0.448	...	...
875	δ Cygni 3 ..	+ 2.5506	+ 0.0039	- 0.003	- 14.622	- 0.348	+ 0.07	7368

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
876	... ..	9.6	1	21	11	8.83	129	31	28.5	1	0.76
877	Brisbane 7012 ...	8.4	2	21	14	14.11	151	45	31.1	3	0.74
878	T Capricorni Var. 3 ...	9.9	1	21	14	32.25	105	39	41.2	1	0.72
879	5 Cephei α ...	2.6	...	21	15	22.63	27	58	52.8	2	0.72
880	... ..	7.7	1	21	20	14.71	150	47	21.0	1	0.70
881	22 Aquarii β ...	3.1	...	21	14	30.14	96	9	33.3	9	0.73
882	8 Cephei β ...	3.4	...	21	26	55.34	20	1	37.5	2	0.64
883	... ..	9.0	1	21	28	58.15	134	3	49.6	1	0.70
884	23 Aquarii γ ...	4.8	...	21	30	36.90	98	27	13.5	2	0.61
885	Taylor 10068 ...	7.5	1	21	34	28.51	134	6	11.8	1	0.74
886	8 Cephei Var. 3 ..	7.0	1	21	36	49.34	11	58	45.8	1	0.66
887	8 Pegasi ε ...	2.4	...	21	37	36.24	81	44	16.6	7	0.75
888	48 Capricorni λ ...	5.4	...	21	39	19.02	101	58	57.4	1	0.49
889	μ Cephei Var. 1 ...	3.9	...	21	39	24.43	31	50	3.0	1	0.74
890	W. B. E. XXI. 975 ...	9.7	1	21	41	16.14	97	19	12.1	1	0.72
891	16 Pegasi ...	5.0	...	21	16	57.90	64	42	16.2	4	0.77
892	... ..	8.9	1	21	47	42.52	183	11	56.7	1	0.70
893	Taylor 10190 ...	6.4	2	21	51	14.14	146	31	22.4	2	0.64
894	... ..	9.5	1	21	52	54.19	136	37	41.6	1	0.73
895	ε Indi ...	5.2	...	21	53	5.59	147	20	5.5	3	0.71
896	... ..	9.0	1	21	53	58.71	150	48	43.9	1	0.72
897	34 Aquarii α ...	3.2	...	21	58	53.09	90	58	11.2	9	0.70
898	α Grus ...	1.9	...	21	59	46.52	137	36	31.1	1	0.70
899	... ..	8.0	2	22	9	11.77	98	21	30.8	2	0.75
900	... ..	8.0	1	22	9	16.00	146	26	43.6	1	0.73
901	43 Aquarii θ ...	4.3	...	22	9	45.54	9	26	58.6	7	0.75
902	... ..	9.0	1	22	13	17.03	146	28	1.1	1	0.73
903	... ..	9.0	1	22	16	58.41	135	57	49.2	1	0.79
904	55 Aquarii ζ ... 1st...	4.7	...	22	21	55.66	90	42	15.7	3	0.72
905	55 Aquarii ζ ... 2nd...	4.5	...	22	21	55.67	90	42	19.1	1	0.70
906	... ..	7.9	2	22	21	57.76	100	37	10.8	2	0.75
907	27 Cephei δ Var. 2 ..	4.0	...	22	24	12.00	32	16	13.1	1	0.70
908	... ..	7.9	1	22	25	50.50	141	20	28.7	1	0.79
909	62 Aquarii η ...	4.2	...	22	28	28.14	90	48	27.2	6	0.73
910	Lacaille 9198 ...	7.0	2	22	30	0.61	130	33	7.0	2	0.73

878.—T Capricorni Var. 3.—Period 200 days.—Range, 9th to below 14th magnitude.

886.—T Cephei Var. 3.—Period 485 days.—Range, 8th to 11.5 magnitude.

889.—μ Cephei Var. 1.—Changes irregularly from 4th to 6th magnitude.

890.—Comparison star for Ariadne in 1864.

907.—3 Cephei Var 2.—Period 5306 days.—Range, 3.7 to 4.8 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
876	... ..	+ 3.8132	- 0.0820	...	- 14.854	- 0.369	...	...
877	Brisbane 7012 ...	+ 4.7190	- 0.0917	...	- 15.034	- 0.450	...	...
878	T Capricorni Var. 3.	+ 3.3199	- 0.0120	...	- 15.051	- 0.314	...	...
879	5 Cephei α ...	+ 1.4160	- 0.0071	+ 0.021	- 15.100	- 0.130	- 0.01	7416
880	... ..	+ 4.6072	- 0.0871	...	- 15.376	- 0.425	...	...
881	22 Aquarii β ...	+ 3.1625	- 0.0071	- 0.001	- 15.614	- 0.282	0.00	7478
882	8 Cephei β ...	+ 0.9003	- 0.0345	0.000	- 15.745	- 0.065	+ 0.04	7403
883	... ..	+ 3.8045	- 0.0394	...	- 15.855	- 0.338	...	...
884	23 Aquarii 1 ...	+ 3.1927	- 0.0083	+ 0.004	- 15.943	- 0.276	+ 0.04	7514
885	Taylor 10008 ...	+ 3.8407	- 0.0395	...	- 16.146	- 0.325	...	7538
886	S Cephei Var. 3 ...	- 0.6131	- 0.1622	...	- 16.267	+ 0.059	...	...
887	8 Pegasi ...	+ 2.9451	- 0.0005	+ 0.003	- 16.307	- 0.242	0.00	7561
888	49 Capricorni λ ...	+ 3.2356	- 0.0101	- 0.002	- 16.394	- 0.265	+ 0.01	7577
889	μ Cephei Var. 1 ...	+ 1.8324	+ 0.0039	...	- 16.398	- 0.147	...	7582
890	W. B. E. XXI. 975...	+ 3.1698	- 0.0076	...	- 16.492	- 0.256	...	...
891	16 Pegasi ...	+ 2.7255	+ 0.0052	+ 0.001	- 16.770	- 0.210	+ 0.01	7627
892	... ..	+ 3.7572	- 0.0383	...	- 16.806	- 0.292	...	...
893	Taylor 10190 ...	+ 4.1492	- 0.0695	...	- 16.972	- 0.316	...	7645
894	... ..	+ 3.8173	- 0.0441	...	- 17.049	- 0.286	...	...
895	ϵ Iodi ...	+ 4.1088	- 0.0724	+ 0.480	- 17.058	- 0.313	+ 2.45	7656
896	... ..	+ 4.3228	- 0.0872	...	- 17.099	- 0.323	...	...
897	34 Aquarii α ...	+ 3.0835	- 0.0041	- 0.003	- 17.320	- 0.219	+ 0.02	7688
898	α Gruis ...	+ 3.8056	- 0.0457	+ 0.011	- 17.369	- 0.270	+ 0.15	7692
899	... ..	+ 3.1634	- 0.0077	...	- 17.756	- 0.207	...	...
900	... ..	+ 4.0056	- 0.0681	...	- 17.769	- 0.264	...	...
901	43 Aquarii θ ...	+ 3.1639	- 0.0076	+ 0.006	- 17.780	- 0.205	+ 0.03	7773
902	... ..	+ 3.9779	- 0.0677	...	- 17.990	- 0.253	...	...
903	... ..	+ 3.6730	- 0.0422	...	- 18.062	- 0.225	...	...
904	55 Aquarii 3 ... 1st..	+ 3.0789	- 0.0033	+ 0.009	- 18.247	- 0.178	- 0.03	7832
905	55 Aquarii 3 ... 2nd..	+ 3.0789	- 0.0033	+ 0.009	- 18.247	- 0.178	- 0.03	7832
906	... ..	+ 3.1761	- 0.0055	...	- 18.248	- 0.189	...	...
907	27 Cephei δ Var. 2 ...	+ 2.2127	+ 0.0165	+ 0.002	- 18.328	- 0.123	+ 0.02	7848
908	... ..	+ 3.7423	- 0.0527	...	- 18.391	- 0.210	...	...
909	62 Aquarii η ...	+ 3.0794	- 0.0031	+ 0.003	- 18.477	- 0.166	+ 0.06	7868
910	Lacaille 9188... ..	+ 3.5098	- 0.0333	...	- 18.529	- 0.188	...	...

895.—898.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
911	42 Pegasi 5	3.6	...	22	34	46.69	79	52	2.7	5	0.74
912	W. H. E. XXII. 844. ...	8.8	1	22	40	40.32	87	48	4.0	1	0.78
913	... ..	9.0	...	22	43	33.73	130	36	2.1	1	0.84
914	O. A. S. 22500	8.0	3	22	49	7.18	119	19	14.2	3	0.77
915	S Aquarii Var. 2.	9.2	1	22	49	55.32	111	3	27.6	1	0.82
916	24 Pis. Ans. a (Fomalhaut.)	1.3	...	22	50	14.41	120	19	55.4	6	0.76
917	... ..	7.2	2	22	50	25.82	110	16	27.4	2	0.75
918	... ..	8.5	2	22	51	51.82	85	22	30.3	2	0.83
919	54 Pegasi a (Markab) ...	2.6	...	22	58	5.21	75	30	55.4	3	0.78
920	Lacaille 9372	8.0	1	23	0	30.09	150	27	34.8	1	0.77
921	... ..	9.2	1	23	4	25.22	130	48	37.2	1	0.78
922	... ..	8.6	2	23	8	15.22	150	30	39.1	3	0.81
923	Lacaille 9423	7.0	1	23	10	2.53	151	43	57.0	1	0.69
924	6 Piscium γ	3.8	...	23	10	13.10	87	26	58.0	9	0.76
925	... ..	8.6	1	23	10	42.06	150	43	55.5	1	0.83
926	96 Aquarii	5.7	...	23	12	27.07	95	51	23.3	1	0.72
927	... ..	9.0	1	23	15	48.15	130	39	9.4	1	0.84
928	Taylor 10748	6.0	2	23	17	39.84	147	35	4.9	2	0.73
929	... ..	9.5	1	23	19	49.37	151	37	26.3	1	0.84
930	8 Piscium α	5.0	...	23	20	3.78	89	23	39.8	7	0.77
931	... ..	8.3	2	23	20	51.68	88	51	2.2	2	0.84
932	... ..	9.3	1	23	21	9.87	137	27	5.3	1	0.83
933	10 Piscium θ	4.4	...	23	21	10.39	84	21	23.8	1	0.73
934	... ..	10.0	2	23	25	36.30	129	51	20.0	2	0.84
935	Taylor 10804	6.5	1	23	27	36.19	147	33	57.4	1	0.66
936	R. P. L. 188	5.7	...	23	27	50.09	3	25	54.0	2	0.55
937	... ..	9.7	2	23	30	1.07	137	19	25.6	2	0.84
938	... ..	8.6	...	23	30	31.48	148	56	1.7	1	0.82
939	17 Piscium ι	4.3	...	23	38	3.46	85	5	59.0	6	0.79
940	35 Cephei γ	3.4	...	23	33	52.48	13	6	53.2	2	0.72
941	... ..	9.0	1	23	34	26.95	147	26	40.6	1	0.84
942	... ..	9.5	2	23	36	53.05	105	1	38.3	2	0.85
943	... ..	9.3	2	23	41	10.77	128	46	0.4	2	0.85
944	8 Sculptoris	4.6	...	23	41	56.46	118	53	16.8	4	0.81
945	Lalande 40950	8.4	1	23	42	12.32	88	18	35.8	1	0.75

914.—Comparison star for Callisto in 1866.

915.—S Aquarii Var. 2.—Period 279 days.—Range, 5th to 13th magnitude.

936.—Groombridge 4101.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
911	42 Pegasi 3 ...	+ 2.9852	+ 0.0023	+ 0.001	- 18.685	- 0.149	0.00	7908
912	W. B. E. XXII. 844	+ 3.0547	- 0.0012	...	- 18.805	- 0.143	...	...
913	... ..	+ 3.4473	- 0.0325	...	- 18.950	- 0.157	...	...
914	O. A. S. 22500	+ 3.3006	- 0.0204	...	- 19.103	- 0.139	...	...
915	S Aquarii Var. 2.	+ 3.2271	- 0.0140	...	- 19.126	- 0.134	...	...
916	24 Piscis Australis a.	+ 3.3065	- 0.0210	+ 0.022	- 19.134	- 0.135	+ 0.18	7992
917	... ..	+ 3.2255	- 0.0140	...	- 19.138	- 0.133	...	...
918	... ..	+ 3.0404	+ 0.0211	...	- 19.177	- 0.122	...	...
919	64 Pegasi a (Markab).	+ 2.9799	+ 0.0056	+ 0.003	- 19.327	- 0.107	+ 0.02	8034
920	Lacaille 9372	+ 3.6777	- 0.0727	...	- 19.393	- 0.130	...	...
921	... ..	+ 3.3493	- 0.0305	...	- 19.468	- 0.109	...	...
922	... ..	+ 3.6014	- 0.0704	...	- 19.546	- 0.110	...	...
923	Lacaille 9423	+ 3.6099	- 0.0743	...	- 19.590	- 0.106	...	8101
924	6 Piscium γ ...	+ 3.0592	+ 0.0005	+ 0.047	- 19.594	- 0.087	+ 0.01	8105
925	... ..	+ 3.6813	- 0.0704	...	- 19.593	- 0.104	...	...
926	96 Aquarii ...	+ 3.1004	- 0.0038	+ 0.011	- 19.625	- 0.085	+ 0.01	8119
927	... ..	+ 3.2934	+ 0.0295	...	- 19.683	- 0.094	...	...
928	Taylor 10749	+ 3.4589	- 0.0582	...	- 19.714	- 0.085	...	8157
929	... ..	+ 3.5038	- 0.0703	...	- 19.747	- 0.081	...	...
930	8 Piscium α ..	+ 3.0699	0.0000	+ 0.005	- 19.762	- 0.069	+ 0.12	8160
931	... ..	+ 3.0676	+ 0.0003	...	- 19.763	- 0.068	...	...
932	... ..	+ 3.3178	- 0.0875	...	- 19.767	- 0.074	...	...
933	10 Piscium θ ...	+ 3.0498	+ 0.0026	- 0.011	- 19.768	- 0.067	+ 0.06	8177
934	... ..	+ 3.2390	- 0.0275	...	- 19.820	- 0.062	...	...
935	Taylor 10904	+ 3.3685	- 0.0655	...	- 19.854	- 0.060	...	8208
936	R. P. L. 158	- 0.0466	- 0.5067	+ 0.034	- 19.858	+ 0.010	- 0.01	8213
937	... ..	+ 3.2613	- 0.0360	...	- 19.884	- 0.053	...	...
938	... ..	+ 3.3565	- 0.0583	...	- 19.899	- 0.054	...	...
939	17 Piscium ι ...	+ 3.0585	+ 0.0080	+ 0.025	- 19.917	- 0.043	+ 0.45	8233
940	35 Cephei γ ...	+ 2.4193	+ 0.0740	- 0.020	- 19.924	- 0.031	- 0.15	8238
941	... ..	+ 3.3051	- 0.0533	...	- 19.930	- 0.045	...	...
942	... ..	+ 3.1108	- 0.0081	...	- 19.954	- 0.037	...	...
943	... ..	+ 3.1602	- 0.0244	...	- 19.958	- 0.029	...	...
944	3 Sculptoria ...	+ 3.1300	- 0.0161	+ 0.009	- 19.963	- 0.026	+ 0.10	8275
945	Lalande 49650	+ 3.0690	+ 0.0019	...	- 19.994	- 0.026	...	...

923.—Proper motions from "Greenwich Catalogue 1872."

944.—Proper motions from "Stene's Cape Catalogue."

Mean Positions of Stars for 1866 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
946	...	9.7	1	23	42	48.52	150	53	24.9	1	0.85
947	22 Piscium	5.0	..	23	45	6.38	87	48	51.9	1	0.73
948	...	9.3	1	23	47	3.10	150	43	2.6	1	0.78
949	Lacaille 9638	7.7	1	23	47	8.04	150	17	19.7	1	0.85
950	...	9.5	..	23	47	37.20	150	45	12.8	1	0.86
951	...	9.2	2	23	47	49.97	128	50	19.0	2	0.85
952	Lacaille 9641	8.2	2	23	48	8.25	128	6	35.9	2	0.80
953	28 Piscium ω	4.2	..	23	52	25.92	83	52	42.6	2	0.76
954	Lacaille 9686	7.0	1	23	53	38.61	143	50	36.2	1	0.82
955	...	8.9	1	23	56	4.61	130	16	22.2	1	0.84
956	Taylor 10990	9.2	1	23	57	0.23	148	34	31.6	1	0.85
957	Lacaille 9721	5.7	..	23	59	22.11	139	49	14.4	1	0.65

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
946	...	+ 3.2521	- 0.0500	...	- 19.000	- 0.027	...	...
947	28 Piscium	+ 3.0688	+ 0.0022	- 0.001	- 20.013	- 0.020	+ 0.03	8295
948	...	+ 3.2067	- 0.0568	...	- 20.023	- 0.018	...	...
949	Lacaille 9638	+ 3.2036	- 0.0557	...	- 20.024	- 0.017	...	...
950	...	+ 3.2010	- 0.0503	...	- 20.025	- 0.016	...	...
951	...	+ 3.1202	- 0.0237	...	- 20.026	- 0.015	...	...
952	Lacaille 9641	+ 3.1264	- 0.0230	...	- 20.027	- 0.015	...	...
953	28 Piscium ω	+ 3.0673	+ 0.0047	+ 0.010	- 20.045	- 0.005	+ 0.13	8331
954	Lacaille 9686	+ 3.1229	- 0.0407	...	- 20.047	- 0.004	...	...
955	...	+ 3.0915	- 0.0240	...	- 20.052	+ 0.001	...	...
956	Taylor 10900	+ 3.1008	- 0.0482	...	- 20.053	+ 0.003	...	...
957	Lacaille 9721	+ 3.0765	- 0.0336	...	- 20.055	+ 0.008	...	...

SEPARATE RESULTS
OF
OBSERVATIONS
OF THE FIXED STARS,
MADE WITH THE
MADRAS MERIDIAN CIRCLE
IN THE YEAR
1867.

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
1	<i>21 Andromedae α Alpherat.</i>								
Sep. 17	...	0	1	31.06	...	61	38	58.1	<i>n</i>
Oct. 14	...		1	31.05	6		38	40.8	<i>m</i>
29	...		1	31.01	...		38	37.3	<i>n</i>
2	<i>Anon.</i>								
Oct. 22	9.2	0	2	1.55	—	127	29	28.3	<i>n</i>
3	<i>Lacaille 9746.</i>								
Nov. 4	8.0	0	2	57.24	...	146	55	55.5	<i>m</i>
4	<i>Anon.</i>								
Sep. 24	9.3	0	5	7.85	...	126	17	5.5	<i>n</i>
Nov. 18	9.5		5	7.61	...		17	5.1	<i>n</i>
5	<i>Anon.</i>								
Oct. 4	8.0	0	6	20.18	...	131	7	17.9	<i>m</i>
6	<i>88 Pegasi γ, Algenib.</i>								
Sep. 27	...	0	6	23.25	...	75	33	23.3	<i>n</i>
Oct. 26	...		6	23.33	...		33	21.0	<i>n</i>
28	...		6	23.27	...		33	22.0	<i>n</i>
Nov. 2	...		6	23.36	...		33	23.1	<i>m</i>
7	<i>Lalande 163.</i>								
Nov. 11	7.6	0	7	47.66	5	89	26	33.8	<i>m</i>
13	7.6		7	47.49	...		26	36.1	<i>m</i>
8	<i>Taylor 64.</i>								
Nov. 16	7.7	0	14	14.88	...	129	58	38.8	<i>n</i>
18	8.0		14	16.66	...		58	38.3	<i>n</i>
21	7.5		14	16.76	...		58	37.5	<i>n</i>
9	<i>Lalande 421.</i>								
Oct. 14	7.4	0	15	56.67	...	51	50	1.0	<i>n</i>
25	..		15	56.52	5		50	1.1	<i>n</i>
10	<i>Lacaille 61.</i>								
Nov. 4	6.9	0	16	10.56	...	129	50	50.3	<i>m</i>
11	<i>Lacaille 88.</i>								
Nov. 22	8.0	0	19	39.87	...	130	23	1.8	<i>n</i>
12	<i>Anon.</i>								
Oct. 29	9.0	0	22	51.01	...	94	41	59.0	<i>n</i>
Nov. 12	8.6		22	51.00	—		45	1.9	<i>m</i>
13	<i>12 Ceti.</i>								
Oct. 21	...	0	23	14.03	5	94	41	34.3	<i>n</i>
Nov. 2	...		23	15.11	...		41	36.7	<i>m</i>
6	...		23	15.01	...		41	34.4	<i>m</i>
7	...		23	15.15	...		41	34.5	<i>m</i>
11	...		23	15.07	...		41	33.9	<i>m</i>
15	...		23	15.04	...		41	35.0	<i>m</i>
16	...		23	15.03	5		41	34.8	<i>n</i>
21	...		23	15.11	...		41	33.7	<i>n</i>
14	<i>Lalande 670.</i>								
Nov. 18	6.0	0	23	18.35	...	85	52	33.7	<i>n</i>
15	<i>Anon.</i>								
Nov. 23	9.6	0	25	32.03	5	76	8	14.8	<i>n</i>
16	<i>Anon.</i>								
Sep. 17	10.5	0	26	13.15	5	76	14	13.7	<i>n</i>
17	<i>Anon.</i>								
Oct. 14	8.3	0	26	52.76	...	144	53	22.3	<i>m</i>
18	<i>Taylor 148.</i>								
Nov. 3	6.9	0	28	8.20	...	143	6	22.0	<i>n</i>
11	6.0		28	7.97	5		6	20.5	<i>m</i>
19	<i>Anon.</i>								
Oct. 21	9.2	0	32	5.32	...	129	43	51.9	<i>n</i>
Nov. 4	9.0		32	8.34	...		43	51.7	<i>m</i>
12	8.9		32	8.27	...		43	54.0	<i>m</i>

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.
		h.	m.	s.		°	'	"	
20 <i>Anon.</i>									
Nov. 21	9.3	0	35	7.80	...	83	27	52.9	n
23	9.8		35	7.91	5		27	53.5	n
21 <i>16 Ceti α</i>									
Oct. 30	...	0	36	51.70	...	108	43	2.2	n
Nov. 2	...		36	51.46	...		43	3.0	n
6	...		36	51.67	...		43	2.9	n
7	...		36	51.80	...		43	3.4	n
16	...		36	51.69	...		43	2.0	n
18	...		36	51.64	...		43	2.7	n
26	...		36	51.65	3		43	2.3	n
22 <i>W. B. E. 0-628.</i>									
Nov. 15	9.0	0	37	3.20	...	98	48	19.6	n
23 <i>W. B. E. 0-697.</i>									
Oct. 29	...	0	40	52.74	5	95	13	31.5	n
Nov. 5	8.7		40	52.64	4		13	35.3	n
24 <i>W. B. E. 0-705.</i>									
Oct. 18	...	0	41	17.31	...	94	26	19.6	n
Nov. 12	7.9		41	17.39	5		26	22.1	n
25 <i>63 Piscium δ</i>									
Nov. 8	...	0	41	46.96	...	83	8	21.3	n
26 <i>W. B. E. 0-716.</i>									
Dec. 4	8.8	0	41	50.66	...	94	25	49.5	n
27 <i>Lacaille 234.</i>									
Nov. 20	7.0	0	43	8.15	4	129	15	2.3	n
21	7.0		43	8.18	...		15	6.8	n
Dec. 6	7.1		43	8.11	...		15	8.3	n
28 <i>Anon.</i>									
Oct. 30	9.7	0	45	18.11	...	129	12	54.7	n
Nov. 20	9.0		45	18.15	4		12	55.8	n
29 <i>Anon.</i>									
Oct. 30	9.5	0	50	28.98	5	129	39	11.2	n
Nov. 18	9.4		50	28.77	5		39	9.8	n
23	...		50	28.98	5		39	11.9	n
30 <i>Lacaille 264.</i>									
Oct. 29	7.3	0	50	52.32	5	151	41	8.3	n
Nov. 12	7.7		50	52.10	...		41	9.3	n
15	7.8		50	52.41	6		41	8.6	n
31 <i>Anon.</i>									
Nov. 22	9.5	0	51	11.97	...	130	39	56.4	n
Dec. 7	9.0		51	12.01	6		39	57.3	n
32 <i>Anon.</i>									
Oct. 18	...	0	51	59.05	5	130	41	3.2	n
33 <i>71 Piscium ϵ</i>									
Oct. 14	...	0	56	2.64	...	82	49	35.6	n
30	...		56	2.40	...		49	36.3	n
Nov. 5	...		56	2.44	...		49	37.0	n
6	...		56	2.45	...		49	36.7	n
7	...		56	2.39	...		49	37.0	n
21	...		56	2.51	...		49	37.4	n
Dec. 10	...		56	2.52	...		49	35.5	n
34 <i>Anon.</i>									
Nov. 18	9.8	1	1	33.50	5	17	35	20.8	n
23	9.4		1	33.98	5		35	22.5	n
35 <i>Anon.</i>									
Dec. 9	7.4	1	3	15.84	...	150	15	29.2	n
36 <i>Anon.</i>									
Nov. 22	9.0	1	4	1.81	5	18	33	53.2	n

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
37 <i>Anon.</i>									
Oct. 21	9.2	1	4	55.13	5	127	20	46.1	n
30	10.0		4	55.15	5		20	48.9	n
Nov. 12	9.0		4	55.14	6		20	40.7	m
38 <i>O. A. N. 1303.</i>									
Dec. 5	7.0	1	9	2.56	...	18	13	2.6	m
39 <i>1 Ursae Minoris α, Polaris.</i>									
Sep. 17	...	1	10	16.13	1	1	23	57.4	n
Nov. 11	...		10	17.01	1		23	59.4	m
15	...		10	14.50	2		23	59.1	m
16	...		10	17.51	3		23	58.6	n
21	...		10	17.48	3		23	57.7	n
<i>1 Ursae Minoris α, Polaris.—s.p.</i>									
Apl. 24	...	1	10	15.00	1	1	24	0.3	n
25	...		10	15.03	3		23	59.6	n
May 4	...		10	16.84	1		24	0.2	m
7	...		10	18.34	1		24	1.3	m
11	...		10	16.23	1		23	58.8	m
June 4	...		10	17.61	1		24	0.0	m
6	...		10	16.38	1		24	0.1	m
40 <i>Anon.</i>									
Nov. 15	9.4	1	12	21.17	5	132	16	34.2	n
41 <i>Brisbane 203.</i>									
Nov. 2	6.9	1	15	7.20		150	46	24.0	m
42 <i>45 Ceti α</i>									
Oct. 11	...	1	17	22.54	...	98	52	11.4	m
21	...		17	22.54			52	13.0	n
30	...		17	22.57			52	13.0	n
Nov. 4	...		17	22.47			52	14.6	m
12	...		17	22.43	...		52	16.4	m
22	...		17	22.48	...		52	14.5	n
23	...		17	22.45	5		52	14.4	n
26	...		17	22.46	5		52	14.4	n
43 <i>Anon.</i>									
Sep. 17	...	1	19	0.18	5	151	19	27.6	n
44 <i>Taylor 465.</i>									
Nov. 1	7.0	1	19	38.91	...	91	5	28.3	m
45 <i>99 Piscium η</i>									
Oct. 21	...	1	24	22.15	...	75	20	26.9	n
29	...		24	22.17	...		20	27.6	n
Nov. 16	...		24	22.12	...		20	26.6	n
18	...		24	22.11	4		20	27.1	n
20	...		24	22.13	...		20	26.9	n
21	...		24	22.16	...		20	25.6	n
22	...		24	22.10	...		20	26.9	n
29	...		24	22.07	...		20	28.1	n
Dec. 2	...		24	22.05	...		20	27.5	n
5	...		24	22.20	4		20	29.6	m
46 <i>Taylor 426.</i>									
Sep. 17	8.0	1	25	42.01	4	140	35	15.3	n
47 <i>Anon.</i>									
Nov. 23	8.5	1	25	51.30	5	150	20	42.7	n
48 <i>102 Piscium α</i>									
Nov. 20	6.5	1	30	2.23		78	32	22.0	n
49 <i>Taylor 525.</i>									
Dec. 4	5.9	1	30	16.46	...	148	49	13.0	m
50 <i>Anon.</i>									
Nov. 15	9.2	1	31	30.58		130	51	18.9	n
Dec. 9	7.9		31	30.79	...		51	22.5	m
51 <i>Taylor 539.</i>									
Oct. 26	6.0	1	31	22.23	5	145	27	0.5	n

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52	<i>♂ Eridani, Achernar.</i>					61	<i>♂ Arietis β.</i>				
Oct. 19	...	1 32 45.62	5	147 54 50.0	n	Sep. 17	...	1 47 17.76	...	69 50 37.2	n
29	...	32 45.76	...	54 50.3	n	Oct. 15	...	47 17.78	...	50 38.0	n
53	<i>106 Piscium ν</i>					Nov. 4	...	47 17.71	...	50 38.8	n
Sep. 16	...	1 34 30.67	5	85 11 11.4	n	11	...	47 17.78	...	50 37.7	n
17	...	34 30.68	...	11 11.9	n	12	...	47 17.64	...	50 39.3	n
Nov. 2	...	34 30.77	...	11 11.6	n	18	...	47 17.70	...	50 37.0	n
18	...	34 30.73	3	11 10.8	n	23	...	47 17.84	4	50 37.9	n
22	...	34 30.68	...	11 11.4	n	29	...	47 17.78	...	50 37.5	n
23	...	34 30.63	...	11 11.7	n	Dec. 2	...	47 17.85	...	50 37.0	n
26	...	34 30.63	5	11 10.9	n	5	...	47 17.78	...	50 37.8	n
Dec. 10	...	34 30.68	4	11 12.1	n	62	<i>Anon.</i>				
54	<i>Lacaille 507.</i>					Nov. 22	9.0	1 49 22.47	...	196 6 37.6	n
Dec. 2	5.9	1 37 14.77	4	151 27 35.6	n	63	<i>Anon.</i>				
55	<i>110 Piscium ♂</i>					Dec. 10	9.0	1 52 24.32	5	145 47 31.3	n
Sep. 16	...	1 38 22.22	1	81 30 46.2	n	64	<i>Anon.</i>				
56	<i>Anon.</i>					Dec. 9	8.8	1 53 3.63	5	151 22 2.7	n
Oct. 26	9.2	1 38 39.77	5	152 1 54.3	n	65	<i>Anon.</i>				
57	<i>Anon.</i>					Oct. 26	9.5	1 56 14.36	...	129 57 28.6	n
Dec. 4	8.4	1 39 59.79	...	149 26 26.4	n	Nov. 21	9.3	56 14.34	...	57 31.8	n
58	<i>Anon.</i>					66	<i>Anon.</i>				
Oct. 19	9.7	1 40 30.45	...	128 36 9.3	n	Nov. 22	9.3	1 54 14.62	...	129 26 22.5	n
Nov. 22	9.4	40 30.40	...	36 8.1	n	67	<i>13 Arietis α</i>				
59	<i>Anon.</i>					Sep. 16	...	1 59 40.80	67	10 4.2	n
Dec. 14	9.3	1 46 16.03	...	148 57 2.6	n	Oct. 15	...	59 40.81	6	10 6.7	n
60	<i>Lacaille 550.</i>					Nov. 11	...	59 40.73	...	10 5.8	n
Oct. 19	8.3	1 46 43.41	5	129 24 15.2	n	13	...	59 40.81	...	10 8.8	n
26	9.2	46 43.50	5	24 13.1	n	23	...	59 40.80	...	10 6.4	n
Dec. 6	7.9	46 43.24	...	21 15.6	n	29	...	59 40.84	...	10 5.5	n
						Dec. 2	...	59 40.86	...	10 5.4	n
						6	...	59 40.87	...	10 5.4	n
						7	...	59 40.79	6	10 6.7	n
						11	...	59 40.79	...	10 5.8	n

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
68	<i>Anon.</i>								
Dec. 10	8.8	2	1	10.63	5	148	46	47.5	M
69	<i>Anon.</i>								
Dec. 9	9.3	2	6	11.21	...	151	53	15.8	M
70	<i>21 Arietis.</i>								
Dec. 16	6.7	2	8	10.30	...	65	34	31.9	N
71	<i>67 Ceti.</i>								
Sep. 16	...	2	10	21.01	...	97	2	11.3	N
Oct. 15	...		10	21.09	...		2	12.5	M
30	...		10	20.98	5		2	11.2	N
Nov. 13	...		10	21.00	...		2	11.3	M
15	...		10	21.01	...		2	12.5	M
Dec. 5	...		10	20.99	5		2	12.7	M
11	...		10	21.19	...		2	12.0	M
14	...		10	21.00	...		2	12.3	M
30	...		10	20.99	...		2	12.7	N
72	<i>68 Ceti • Var. 1, Mira.</i>								
Nov. 14	6.0	2	12	37.80	...	93	35	0.2	M
Dec. 2	6.0		12	37.61	...		35	0.2	M
73	<i>Anon.</i>								
Dec. 6	9.0	2	12	45.40	...	93	34	46.2	M
9	9.0		12	45.40	...		34	47.1	M
74	<i>Anon.</i>								
Dec. 18	8.0	2	15	44.70	...	152	35	1.1	N
75	<i>Anon.</i>								
Nov. 15	8.3	2	17	49.81	...	151	2	30.9	M
Dec. 20	8.8		17	49.28	5		2	19.4	N
76	<i>73 Ceti ξ¹</i>								
Sep. 16	...	2	21	5.35	...	82	8	15.0	N
17	...		21	5.31	...		8	15.4	N
Oct. 15	...		21	5.47	...		8	16.0	M
Nov. 11	...		21	5.51	...		8	15.1	M
13	...		21	5.31	...		8	15.0	M
22	...		21	5.30	...		8	14.3	N
Dec. 2	...		21	5.34	4		8	16.1	M
4	...		21	5.31	...		8	15.6	M
5	...		21	5.23	...		8	16.8	M
7	...		21	5.40	...		8	15.0	M
10	...		21	5.31	...		8	15.8	M
11	...		21	5.36	...		8	15.3	M
14	...		21	5.29	...		8	15.0	M
18	...		21	5.41	...		8	14.5	N
21	...		21	5.37	...		8	16.4	N
30	...		21	5.38	5		8	15.6	N
77	<i>Lacaille 782.</i>								
Dec. 6	7.0	2	26	18.88	...	148	34	8.5	M
78	<i>Anon.</i>								
Nov. 21	8.8	2	27	30.84	5	147	11	23.5	N
Dec. 9	7.7		27	30.80	...		11	24.7	M
18	9.0		27	31.19	5		11	24.4	N
79	<i>Anon.</i>								
Nov. 23	9.1	2	28	15.95	...	129	45	49.5	N
Dec. 19	9.2		28	15.88	...		45	29.5	N
80	<i>Anon.</i>								
Nov. 14	9.7	2	30	51.09	5	147	34	6.1	M
81	<i>Anon.</i>								
Dec. 10	9.0	2	31	17.41	5	148	30	22.8	M
82	<i>Anon.</i>								
Nov. 22	9.8	2	31	30.42	...	151	38	36.3	N
Dec. 20	9.3		31	30.80	...		38	36.7	N

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		A.	M.	S.		°	'	"				A.	M.	S.		°	'	"													
83 <i>86 Ceti γ</i>																															
Nov. 13	—	2	36	24.65	...	87	19	34.4	M	Dec. 18	7.7	2	50	40.29	...	129	11	25.7	M												
Dec. 4	—	36	24.64	...		19	34.8	M		21	7.0	50	40.19	...		11	27.5	M													
5	—	36	24.66	...		19	34.6	M		27	7.0	50	40.23	...		11	26.9	M													
6	—	36	24.58	...		19	35.1	M		92 <i>Lacaille 969.</i>																					
7	—	36	24.50	...		19	34.6	M		Nov. 21	7.9	2	54	58.74	5	144	13	12.4	M												
14	...	36	24.68	...		19	35.7	M		Dec. 6	7.7	54	58.75	...		13	15.8	M													
16	...	36	24.61	...		19	33.4	M		93 <i>42 Ceti α, Menkar.</i>																					
18	...	36	24.65	...		19	34.7	M		Nov. 16	...	2	55	19.65	...	86	26	3.2	M												
20	...	36	24.63	...		19	35.8	M		Dec. 16	—	55	19.72	...		26	3.1	M													
84 <i>μ Ceti.</i>										27	...	55	19.79	...		26	2.7	M													
Sep. 17	...	2	37	45.27	...	80	26	56.7	M	30	...	55	19.67	...		26	2.6	M													
Nov. 11	—	37	45.31	...		26	57.2	M		94 <i>25 Persei ρ Var. 2.</i>																					
85 <i>Lacaille 868.</i>																				Dec. 7	4.7	2	56	30.76	...		51	40	30.7	M	
Dec. 2	7.9	2	38	38.12	...	147	12	34.4	M	95 <i>26 Persei α Var. 1, Algol.</i>																					
86 <i>Taylor 940.</i>																				Nov. 5	4.9	2	50	31.25	...		49	33	34.3	M	
Dec. 19	8.0	2	40	22.35	...	128	43	44.9	M	Dec. 18	2.0	50	31.33	...		33	32.0	M													
24	7.7	40	22.29	...		43	46.3	M		96 <i>Taylor 1047.</i>																					
87 <i>Anon.</i>																				Dec. 21	6.5	2	59	55.67	5	151	19	10.0	M		
Nov. 22	9.8	2	41	47.02	...	151	1	55.2	M	97 <i>Anon.</i>																					
Dec. 16	9.5	41	47.46	5		1	57.4	M		Dec. 24	8.9	2	50	57.96	...	130	37	40.3	M												
19	9.6	41	47.38	2		1	55.8	M		98 <i>Taylor 1052.</i>																					
88 <i>Taylor 969.</i>																				Jan. 3	6.1	3	0	29.28	5	150	13	19.1	M		
Dec. 4	7.3	2	45	47.52	4	74	3	41.6	M	99 <i>Taylor 1057.</i>																					
7	7.0	45	47.45	6		3	41.4	M		Jan. 10	7.6	3	0	20.52	5	151	21	30.1	M												
89 <i>Taylor 978.</i>																				Dec. 16	8.3	0	50.29	5		21	37.8	M			
Dec. 9	6.9	2	47	26.48	6	147	44	26.7	M	100 <i>R. P. L. 33.</i>																					
11	6.9	47	26.36	5		44	27.7	M		Dec. 14	—	3	1	20.76	5	3	34	6.0	M												
90 <i>Lacaille 941.</i>																															
Nov. 14	6.9	2	50	31.26	5	145	25	30.8	M	91 <i>Taylor 991.</i>																					
91 <i>Taylor 991.</i>										Dec. 14	—	3	1	20.76	5	3	34	6.0	M												

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101	<i>Anon.</i>					111	<i>Anon.</i>				
Dec. 24	9.3	3 2 16.73		130 38 13.4	n	Dec. 27	8.5	3 12 40.75		129 27 1.9	n
102	<i>57 Arietis δ</i>					112	<i>Anon.</i>				
Nov. 14	...	3 4 1.74	...	70 46 44.1	m	Dec. 21	7.8	3 13 27.18	...	125 39 12.6	n
20	...	4 1.63	...	46 42.5	n	113	<i>33 Persei α</i>				
Dec. 9	...	4 1.58	...	46 43.3	m	Dec. 30		3 14 50.42	...	40 36 54.8	n
19	...	4 1.70	...	46 43.5	n	114	<i>Anon.</i>				
20	...	4 1.66	...	46 44.2	n	Nov. 2	8.0	3 15 9.63		131 31 33.9	m
27	...	4 1.57	...	46 44.1	n	14	7.9	15 9.73	5	31 32.8	m
103	<i>Taylor 1081.</i>					Dec. 18	8.8	15 9.51	5	31 33.6	n
Nov. 21	8.0	3 5 16.31	4	151 39 33.2	n	115	<i>Anon.</i>				
104	<i>Anon.</i>					Dec. 21	9.3	3 15 30.03	...	125 40 46.2	n
Dec. 21	9.0	3 6 15.83	...	128 31 22.9	n	116	<i>Anon.</i>				
105	<i>Anon.</i>					Dec. 19	9.6	3 16 53.05	...	127 6 21.5	n
Jan. 9	9.2	3 7 21.56	5	145 39 51.5	m	117	<i>Anon.</i>				
Dec. 18	9.5	7 21.30	5	39 50.7	n	Dec. 20	8.8	3 17 26.79	...	130 44 59.6	n
106	<i>Taylor 1112.</i>					118	<i>Anon.</i>				
Dec. 27	8.0	3 10 23.68	...	129 29 40.3	n	Nov. 21	9.0	3 20 22.02	...	149 18 15.3	n
107	<i>Taylor 1113.</i>					119	<i>R Persei Var. 3.</i>				
Dec. 19	8.9	3 10 24.90	...	131 43 29.5	n	Dec. 16	9.0	3 21 35.53	...	54 47 24.8	n
108	<i>Taylor 1127.</i>					120	<i>Anon.</i>				
Dec. 16	8.0	3 11 54.24	5	131 45 40.1	n	Dec. 24	9.3	3 23 21.70	...	130 9 39.0	n
109	<i>Anon.</i>					121	<i>5 Tauri f</i>				
Dec. 24	9.3	3 12 29.94	...	130 9 33.0	n	Sep 17		3 23 31.86	...	77 31 16.3	n
110	<i>Anon.</i>					Nov 11		23 31.77	...	31 18.5	n
Dec. 20	9.0	3 12 30.19	...	130 37 29.2	n						

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		<i>h. m. s.</i>		<i>s. . .</i>				<i>h. m. s.</i>		<i>s. . .</i>	
122	<i>Anon.</i>					133	<i>Anon.</i>				
Dec. 19	8.9	3 23 40.21	5	126 31 59.7	R	Jan. 10	8.6	3 35 23.18	...	156 12 42.5	M
27	9.2	3 23 46.01	5	21 59.0	R						
123	<i>Anon.</i>					134	<i>Anon.</i>				
Dec. 21	8.5	3 24 56.51	...	129 1 6.5	R	Dec. 21	9.7	3 35 53.51	...	129 10 3.0	M
124	<i>Lacaille 1150.</i>					135	<i>Anon.</i>				
Jan. 8	7.0	3 28 30.98	-	152 27 40.0	M	Oct. 15	8.0	3 37 2.65	...	148 26 55.2	M
125	<i>Lacaille 1149.</i>					136	<i>25 Tauri γ, Alcyone.</i>				
Jan. 7	7.0	3 28 41.15	5	150 18 32.0	M	Jan. 8	...	3 39 34.99	5	65 18 32.6	M
						11	...	39 34.81	6	19 31.7	M
						Oct. 16	...	39 34.92	...	19 31.7	R
						Nov. 12	...	39 35.03	6	19 31.6	M
						14	...	39 34.86	...	14 32.8	M
						20	...	39 34.80	...	19 31.0	R
126	<i>Anon.</i>					Dec. 4	...	39 34.99	...	14 31.1	M
Dec. 20	9.2	3 24 52.10	-	128 28 54.3	R	18	...	39 34.84	...	14 30.1	R
						20	...	39 34.97	...	14 31.1	M
127	<i>Anon.</i>					24	...	39 34.83	...	14 32.5	R
Dec. 16	7.0	3 30 17.03	-	151 50 23.7	R	27	...	39 34.84	...	14 31.4	M
128	<i>Anon.</i>					137	<i>30 Tauri ϵ</i>				
Dec. 24	9.0	3 31 52.10	5	129 49 26.0	R	Sep. 17	...	3 40 58.73	...	79 16 5.7	R
129	<i>Anon.</i>					138	<i>Lacaille 1242.</i>				
Dec. 30	8.0	3 32 20.00	-	131 20 9.3	R	Dec. 2	7.2	3 41 40.31	6	147 4 42.1	M
130	<i>Lacaille 1166.</i>					139	<i>W. B. E. III. 860.</i>				
Dec. 21	4.8	3 33 8.55	...	129 12 37.6	R	Dec. 21	8.0	3 45 29.11	-	76 1 4.6	R
						27	8.6	45 29.00	5	1 4.8	M
131	<i>Anon.</i>					140	<i>Anon.</i>				
Dec. 27	8.2	3 33 25.55	6	157 42 34.9	R	Nov. 22	9.0	3 49 55.22	5	129 11 3.7	R
132	<i>Anon.</i>					141	<i>Anon.</i>				
Dec. 21	10.0	3 33 43.83	5	128 29 29.2	R	Oct. 15	8.0	3 50 52.94	6	147 24 42.7	M

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		<i>h. m. s.</i>		<i>° ' "</i>				<i>h. m. s.</i>		<i>° ' "</i>	
142		34 Eridani γ^1				150		Lalande 7761.			
Jan. 4		3 51 40.32	...	103 53 20.5	M	Jan. 12	8.0	4 3 38.40		74 43 23.1	M
8	...	51 49.51	...	53 21.5	M						
9	...	51 49.56	...	53 21.0	M	151		Annon.			
10	...	51 49.40	...	53 22.0	M	Nov. 21	9.5	4 3 46.18	5	146 55 55.9	M
11	...	51 49.47	5	53 20.6	M						
Nov. 13	..	51 49.36	5	53 21.8	M	152		37 Eridani.			
Dec. 4	..	51 49.47	4	53 20.0	M	Dec. 12	...	4 3 53.37	...	97 16 25.7	M
6	...	51 49.39	...	53 20.0	M						
20	...	51 49.30	...	53 20.0	M	153		38 Eridani α^1			
21	...	51 49.51	5	53 21.9	M	Nov. 14	...	4 5 22.44	...	97 11 12.6	M
24	...	51 49.50	...	53 20.7	M	Dec. 24	...	5 22.52		11 13.0	M
27	...	51 49.40	...	53 20.8	M						
143		35 Tauri λ Var. 1.				154		Anon.			
Jan. 16	...	3 53 18.89	...	77 53 17.2	M	Jan. 4	8.1	4 9 52.86	...	129 18 21.7	M
Nov. 11	6.0	53 18.64	5	53 15.9	M						
144		Anon.				155		Taylor 1469.			
Jan. 15	8.5	3 53 45.06	5	143 7 51.5	M	Jan. 8	7.3	4 11 6.52	...	148 21 31.6	M
						9	7.3	11 6.58		21 31.6	M
145		Anon.				Dec. 13	6.9	11 6.34	5	21 34.7	M
Nov. 22	9.1	3 54 48.00	...	129 10 20.6	M						
146		Taylor 1392.				156		54 Tauri γ			
Dec. 7	6.9	3 55 51.91	5	147 28 52.5	M	Jan. 16	...	4 12 13.73	4	74 41 47.2	M
147		Lalande 7581.				157		Lacaille 1418.			
Jan. 7	8.2	3 58 23.91	...	74 51 50.8	M	Jan. 15	7.5	4 12 31.59	...	143 39 16.4	M
						Dec. 14	7.4	12 31.62	...	29 19.1	M
148		Lacaille 1359.				158		Anon.			
Jan. 8	8.3	4 0 4.87	...	147 40 36.8	M	Nov. 16	9.5	4 12 35.04	...	129 10 21.0	M
9	8.6	0 4.84	5	49 36.0	M	Dec. 16	8.7	19 35.12	5	10 19.3	M
						30	8.0	12 31.98	5	10 20.8	M
149		Lacaille 1375.				159		Anon.			
Jan. 10	7.7	4 2 25.06	...	148 50 15.9	M	Jan. 5	9.0	4 13 38.03	...	70 51 3.6	M
14	8.3	2 53.01		50 16.7	M	7	8.5	13 54.01	...	51 1.0	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. s. ' ' ' ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. s. ' ' ' ' "	Observer.
160	<i>U Tauri Var. 7.</i>					Jan. 15	...	4 28 17.40	...	73 45 30.8	n
Jan. 17	9.9	4 14 4.25	...	70 30 15.3	n	Oct. 15	...	28 17.44	...	45 30.7	n
161	<i>Anon.</i>					16	...	28 17.61	...	45 37.3	n
Nov. 16	10.0	4 15 20.86	5	120 7 25.1	n	Dec. 9	...	28 17.47	...	45 40.4	n
162	<i>Anon.</i>					12	...	28 17.53	...	45 40.3	n
Nov. 14	8.0	4 16 40.23	...	149 3 59.5	n	21	...	28 17.41	...	45 39.9	n
163	<i>74 Tauri e</i>					168	<i>Anon.</i>				
Jan. 4	...	4 20 51.23	...	71 7 3.0	n	Jan. 4	8.3	4 28 32.46	5	110 13 51.9	n
8	...	20 51.04	...	7 4.2	n	Nov. 14	8.1	28 32.50	...	13 53.0	n
9	...	20 51.07	...	7 3.9	n	169	<i>R Reticuli Var. 1.</i>				
10	...	20 51.10	...	7 3.8	n	Jan. 16	10.0	4 32 10.56	6	153 18 22.0	n
11	...	20 51.20	...	7 3.3	n	17	9.8	32 10.21	...	18 22.2	n
12	...	20 51.20	...	7 3.0	n	23	9.3	32 10.40	...	18 21.2	n
14	...	20 51.24	...	7 3.3	n	Feb. 1	8.6	32 10.31	4	18 21.4	n
Oct. 15	...	20 50.97	...	7 3.5	n	13	7.7	32 10.49	...	18 19.3	n
Dec. 9	...	20 51.19	...	7 3.4	n	Nov. 16	9.3	32 10.56	5	18 20.4	n
16	...	20 51.07	...	7 3.1	n	Dec. 14	7.8	32 10.14	...	18 20.0	n
19	...	20 51.16	...	7 2.2	n	170	<i>Lacaille 1551.</i>				
164	<i>Lacaille 1519.</i>					Jan. 21	6.0	4 32 11.35	5	153 5 32.9	n
Jan. 7	7.0	4 25 37.48	5	153 5 43.2	n	171	<i>Anon.</i>				
165	<i>Lacaille 1520.</i>					Dec. 16	9.2	4 34 30.80	...	153 26 30.7	n
Jan. 10	7.7	4 26 44.46	...	147 29 39.6	n	21	9.7	34 30.84	5	26 31.5	n
166	<i>Anon.</i>					172	<i>95 Tauri.</i>				
Dec. 13	9.3	4 27 15.77	6	150 33 35.1	n	Jan. 8	6.9	4 35 10.70	4	66 10 0.0	n
167	<i>87 Tauri e, Aldebaran.</i>					173	<i>Lacaille 1567.</i>				
Jan. 3	...	4 28 17.46	...	73 45 30.9	n	Jan. 15	5.0	4 35 13.10	5	132 20 20.5	n
6	...	28 17.57	...	45 30.6	n	174	<i>Lacaille 1566.</i>				
8	...	28 17.37	...	45 41.1	n	Jan. 10	6.9	4 35 48.90	...	140 26 6.2	n
9	...	28 17.46	5	45 40.7	n						
12	...	28 17.43	...	45 41.5	n						
14	...	28 17.45	...	45 39.1	n						

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175 <i>Taylor 1663.</i>						184 <i>3 Aurigae.</i>					
Jan. 5	7.7	4 36 54.96	5	138 47 49.4	M	Jan. 3	...	4 48 20.16	5	57 2 52.6	M
7	7.0	36 55.10	5	47 49.2	M	5	...	48 20.12	...	2 52.2	M
9	7.7	36 55.23	...	47 48.8	M	7	...	48 20.08	...	2 53.3	M
176 <i>Anon.</i>						11	...	48 20.00	...	2 52.7	M
Jan. 24	9.5	4 39 15.51	4	153 15 35.0	M	12	...	48 20.12	...	2 51.7	M
Dec. 24	9.6	39 15.47	5	15 33.7	M	15	...	48 20.02	5	2 53.8	M
177 <i>Anon.</i>						Feb. 4	...	48 20.16	...	2 51.3	M
Dec. 18	9.0	4 39 27.08	...	153 3 18.9	M	5	...	48 20.13	4	2 52.9	M
178 <i>Anon.</i>						Oct. 16	...	48 20.06	...	2 49.6	M
Jan. 14	9.5	4 43 26.60	...	130 40 53.3	M	Dec. 9	...	48 20.18	...	2 52.7	M
17	9.5	43 26.75	5	40 53.7	M	12	...	48 20.18	...	2 52.5	M
179 <i>Lacaille 1629.</i>						13	...	48 20.19	...	2 53.0	M
Jan. 4	6.4	4 43 43.66	...	163 28 14.6	M	24	...	48 20.02	...	2 52.8	M
180 <i>Anon.</i>						185 <i>Taylor 1764.</i>					
Dec. 19	8.0	4 43 57.70	...	127 40 3.2	M	Dec. 10	6.4	4 50 27.56	...	129 50 39.8	M
181 <i>Lacaille 1625.</i>						19	6.2	50 27.68	...	50 37.8	M
Jan. 8	7.6	4 45 3.79	5	140 1 32.3	M	186 <i>Taylor 1780.</i>					
10	7.0	45 3.72	5	1 31.5	M	Jan. 4	7.0	4 52 19.07	5	144 54 32.3	M
182 <i>Anon.</i>						18	7.0	52 19.33	5	38 30.4	M
Jan. 9	9.0	4 45 34.95	...	129 24 45.1	M	187 <i>R Leporis Var. 1.</i>					
183 <i>Lacaille 1649.</i>						Feb. 6	7.5	4 53 32.92	5	101 59 26.6	M
Dec. 11	6.9	4 46 55.70	5	150 29 19.4	M	188 <i>Taylor 1797.</i>					
16	6.9	46 55.66	...	29 30.2	M	Jan. 28	7.0	4 54 54.30	5	143 16 39.5	M
189 <i>Anon.</i>						189 <i>Anon.</i>					
190 <i>Lacaille 1697.</i>						Jan. 5	8.7	4 56 2.40	...	130 17 24.5	M
Jan. 9	8.0	4 56 57.29	...	129 6 56.3	M	191 <i>11 Orionis.</i>					
191 <i>11 Orionis.</i>						Jan. 14	...	4 56 58.33	...	74 47 2.5	M
						17	...	56 58.25	...	47 4.0	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No of Wires	Mean Polar Distance 1867. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No of Wires	Mean Polar Distance 1867. ° ' "	Observer.
192	<i>Taylor 1811.</i>					200	<i>R Aurigae Var. 2.</i>				
Feb. 9	6.1	4 57 9.12	...	129 54 47.7	m	Dec. 18	8.7	5 6 33.84	4	36 34 38	n
193	<i>Taylor 1814.</i>					201	<i>13 Aurigae α, Capella.</i>				
Dec. 11	8.8	4 57 48.40	5	148 41 41.8	m	Jan. 7	...	5 6 52.11	...	44 8 29.4	m
18	9.6	57 48.53	...	41 38.8	n	Feb. 2	...	6 52.15	...	8 28.1	m
						9	...	6 52.06	5	8 28.2	n
194	<i>2 Leporis α</i>					202	<i>19 Orionis β, Rigel.</i>				
Jan. 3	...	4 59 40.84	5	112 33 8.6	m	Jan. 3	...	5 8 8.74	...	98 21 29.1	m
10	...	59 40.84	...	33 8.2	n	18	...	8 8.77	...	21 30.1	n
15	...	59 49.88	4	33 8.1	n	19	...	8 8.82	...	21 30.1	n
29	...	59 49.91	...	33 7.5	n	25	...	8 8.80	...	21 29.7	n
30	...	59 49.88	...	33 7.7	n						
31	...	59 49.94	...	33 7.5	n						
Dec. 13	...	59 49.73	...	33 7.2	n	203	<i>Anon.</i>				
19	...	59 49.74	...	33 8.1	n	Jan. 9	9.0	5 8 32.01	5	150 36 9.1	m
195	<i>Anon.</i>					204	<i>Anon.</i>				
Jan. 8	7.9	5 0 5.21	...	135 23 41.6	m	Jan. 29	9.2	5 10 37.65	...	121 19 34.4	n
196	<i>Taylor 1852.</i>					205	<i>Anon.</i>				
Dec. 12	6.9	5 2 15.63	...	144 35 17.2	m	Jan. 28	9.7	5 12 3.39	5	129 45 35.9	n
197	<i>Lacaille 1739.</i>					206	<i>Anon.</i>				
Dec. 10	8.0	5 2 54.84	...	146 57 28.7	m	Jan. 16	9.8	5 13 46.61	...	75 11 35.0	n
						17	9.4	13 46.47	5	11 33.3	n
						18	9.5	13 46.48	5	11 33.9	n
198	<i>Anon.</i>					207	<i>Anon.</i>				
Jan. 28	9.5	5 4 20.61	...	135 34 26.2	n	Jan. 29	9.3	5 15 1.34	5	121 18 28.4	n
						Feb. 1	8.9	15 1.33	...	18 28.2	m
199	<i>Anon.</i>					208	<i>Lacaille 1822.</i>				
Jan. 16	9.3	5 6 29.25	...	86 34 28.7	n	Dec. 13	7.9	5 15 47.04	6	141 43 2.5	m
17	9.5	6 29.15	...	34 28.4	n						
18	9.0	6 29.21	...	34 28.5	n						
23	9.7	6 29.12	5	34 27.8	n						
Dec. 18	9.8	6 29.11	4	34 27.2	n	209	<i>Anon.</i>				
27	9.6	6 29.03	...	34 27.6	n	Jan. 25	9.3	5 16 12.60	5	131 44 7.9	n

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
210 Lacaille 1824.																			
Feb. 13	7.1	5	17	4.40	...	129	37	50.4	M										
211 Anon.																			
Jan. 28	7.0	5	17	39.95	5	153	7	11.2	R										
212 112 Tauri β																			
Jan. 4	...	5	17	53.16	...	61	30	31.6	M										
14	...	17	53.10	...		30	30.6		R										
19	...	17	53.07	...		30	30.3		R										
23	...	17	53.11	5		30	31.6		R										
30	...	17	53.17	...		30	31.1		R										
31	...	17	53.13	...		30	31.4		R										
Feb. 2	...	17	53.34	...		30	30.6		M										
4	...	17	53.05	...		30	29.7		M										
11	...	17	53.15	5		30	31.1		M										
12	...	17	53.23	...		30	31.2		M										
14	...	17	53.11	...		30	30.9		M										
213 Anon.																			
Jan. 29	9.0	5	18	25.29	5	121	23	46.4	R										
Dec. 18	9.6	18	25.33	...		28	45.2		R										
214 R. P. L. 40.																			
Dec. 19	...	5	19	40.93	3	4	32	51.3	R										
R. P. L. 40.—s.p.																			
July 5	...	5	19	40.95	3	4	32	55.1	R										
215 Anon.																			
Jan. 25	9.2	5	22	36.64	5	152	41	55.5	R										
216 Anon.																			
Feb. 6	7.1	5	23	31.99	...	151	13	17.3	M										
217 λ Doradus.																			
Jan. 24	6.0	5	24	23.14	5	140	1	33.1	R										
218 119 Tauri.																			
Dec. 10	...	5	24	24.97	...	71	30	23.4	M										
11	8.8	24	25.13	5		30	29.2		M										
219 34 Orionis δ Var. 1.																			
Jan. 5	...	5	25	12.73	...	90	24	2.1	M										
14	...	25	12.72	...		24	2.1		R										
16	...	25	12.82	...		24	3.1		M										
17	...	25	12.82	...		24	2.6		R										
23	...	25	12.77	...		21	2.8		R										
28	...	25	12.66	...		24	2.1		R										
Feb. 2	...	25	12.76	...		24	1.7		M										
5	...	25	12.81	5		24	2.1		M										
Dec. 13	...	25	12.63	...		24	1.4		M										
220 Anon.																			
Jan. 29	9.5	5	26	12.32	...	121	24	17.1	R										
221 11 Leporis α																			
Jan. 18	...	5	26	51.91	...	107	55	12.5	R										
19	...	26	51.86	...		55	11.7		R										
30	...	26	51.80	...		55	12.5		R										
31	...	26	51.77	...		55	12.2		R										
Dec. 12	...	26	51.74	...		55	11.5		M										
222 Taylor 2057.																			
Jan. 25	8.0	5	28	3.53	5	151	55	30.6	R										
Feb. 1	7.6	28	3.31	5		55	31.2		M										
223 Lalande 10532.																			
Feb. 4	5.2	5	29	19.34	5	78	15	4.2	M										
224 46 Orionis ε																			
Jan. 16	...	5	29	23.08	...	21	17	24.4	R										
17	...	29	27.97	...		17	24.3		R										
23	...	29	27.98	...		17	23.4		R										
26	...	29	27.91	...		17	23.5		R										

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
225 <i>123 Tauri 3</i>																			
Nov. 11	...	5	29	41.88	...	68	56	31.2	n	Jan. 25	8.0	5	37	54.53	...	68	19	40.0	n
Dec. 10	...	29	41.95	4	...	56	29.6	n		26	8.8	37	54.51	...	19	37.8	n		
										Feb. 1	7.2	37	54.58	...	19	37.9	n		
226 <i>Lalande 10607.</i>																			
Jan. 4	7.0	5	31	27.78	4	68	18	56.2	n										
8	7.0	31	27.95	...	...	18	56.7	n											
10	7.1	31	27.85	4	...	18	56.8	n											
227 <i>Anon.</i>																			
Dec. 20	9.3	5	32	5.08	5	123	55	19.2	n										
228 <i>Anon.</i>																			
Jan. 24	9.0	5	32	14.88	5	123	54	10.9	n										
28	8.6	32	14.79	...	...	54	9.7	n											
Dec. 20	8.9	32	14.57	5	...	54	11.4	n											
229 <i>Lacaille 1949.</i>																			
Jan. 14	6.5	5	32	16.39	5	131	18	50.9	n										
230 <i>Lacaille 1916.</i>																			
Jan. 29	7.0	5	32	20.28	5	121	8	33.9	n										
Dec. 18	7.0	32	20.32	...	...	8	32.5	n											
231 <i>α Columbae.</i>																			
Jan. 5	...	5	34	50.16	...	121	8	49.7	n										
7	...	34	50.18	...	...	8	50.7	n											
16	...	34	50.01	...	...	8	50.5	n											
17	...	34	50.05	...	...	8	48.9	n											
18	...	34	50.12	...	...	8	48.0	n											
Feb. 2	...	34	49.93	...	...	8	48.2	n											
3	...	34	50.11	...	...	8	49.5	n											
9	...	34	50.21	...	...	8	48.7	n											
232 <i>Taylor 2113.</i>																			
Feb. 6	7.4	5	35	13.88	8	130	45	27.9	n										
233 <i>Lalande 10849.</i>																			
Jan. 25	8.0	5	37	54.53	...	68	19	40.0	n										
26	8.8	37	54.51	...	...	19	37.8	n											
Feb. 1	7.2	37	54.58	...	...	19	37.9	n											
234 <i>Anon.</i>																			
Feb. 4	8.0	5	39	20.86	...	79	0	9.5	n										
Dec. 21	7.5	39	20.71	...	...	0	9.8	n											
235 <i>Taylor 2145.</i>																			
Jan. 28	6.5	5	39	54.92	5	135	53	43.0	n										
236 <i>Anon.</i>																			
Jan. 29	9.3	5	40	37.23	4	120	57	54.9	n										
237 <i>W. B. E. V. 1011.</i>																			
Nov. 14	8.5	5	40	38.00	4	78	57	37.6	n										
238 <i>Taylor 2184.</i>																			
Jan. 25	9.0	5	43	56.51	5	130	46	22.0	n										
239 <i>Anon.</i>																			
Jan. 26	9.3	5	44	49.03	5	137	10	16.1	n										
240 <i>Lalande 11098.</i>																			
Jan. 5	7.9	5	45	16.78	5	68	29	36.7	n										
23	8.6	45	16.76	...	...	29	37.3	n											
24	8.8	45	16.83	...	...	29	36.7	n											
241 <i>Lacaille 2036.</i>																			
Jan. 28	8.8	5	46	26.59	...	129	47	11.3	n										
Feb. 8	7.9	46	26.71	...	...	47	10.9	n											
11	8.0	46	26.61	...	...	47	11.0	n											
242 <i>54 Orionis χ¹</i>																			
Feb. 14	...	5	46	20.31	...	69	43	8.0	n										

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261	<i>Anon.</i>					272	<i>Anon.</i>				
Feb. 6	7.0	6 0 55.69	5	137 26 35.1	M	Jan. 29	8.6	6 11 50.31	...	151 31 31.1	N
262	<i>Lalande 11732.</i>					273	<i>Lalande 12053</i>				
Feb. 1	8.0	6 3 33.73	5	77 58 54.9	M	Feb. 2	8.0	6 12 34.79	...	69 51 18.6	M
4	7.9	6 3 32.74	4	58 53.3	M						
263	<i>Anon.</i>					274	<i>Lalande 12094</i>				
Dec. 27	9.2	6 3 44.89	5	129 53 12.0	N	Jan. 31	9.3	6 13 45.87	...	66 42 4.8	N
264	<i>Anon.</i>					275	<i>Lalande 12120</i>				
Jan. 5	8.1	6 5 47.73	...	77 51 30.8	M	Feb. 11	7.1	6 14 15.60	...	77 4 47.6	M
						13	7.4	6 14 15.84	5	4 49.7	M
265	<i>Anon.</i>					276	<i>13 Geminorum μ</i>				
Jan. 29	9.0	6 6 33.10	...	121 29 26.3	N	Jan. 17	...	6 14 54.83	...	67 25 16.6	N
266	<i>7 Geminorum γ Var. G.</i>					18	...	6 14 54.81	...	25 15.0	N
Jan. 17	...	6 6 51.00	...	67 27 38.3	N	28	...	6 14 54.80	...	25 15.7	N
18	...	6 50.80	5	27 30.1	N	Feb. 1	...	6 14 54.82	...	25 17.6	M
267	<i>Anon.</i>					9	...	6 14 54.80	6	25 16.3	M
Jan. 28	9.7	6 7 29.89	...	151 15 28.9	N	12	...	6 14 54.74	...	25 15.6	M
268	<i>Anon.</i>					Dec. 11	...	6 14 54.68	...	25 17.4	M
Jan. 24	9.5	6 7 45.69	5	137 6 25.1	N	12	...	6 14 54.87	...	25 19.8	M
269	<i>Anon.</i>					277	<i>Lalande 12155.</i>				
Jan. 25	8.3	6 8 55.45	...	131 54 48.6	N	Feb. 14	6.9	6 15 8.51	5	77 22 3.7	M
Feb. 5	7.9	6 8 55.54	6	54 49.3	M	Nov. 14	7.2	6 15 8.73	...	22 3.6	M
270	<i>Anon.</i>					278	<i>Taylor 2474.</i>				
Jan. 7	9.3	6 9 32.94	6	131 50 55.3	M	Jan. 29	6.0	6 15 15.85	...	121 43 25.3	N
11	9.0	6 9 32.84	—	50 54.6	M	Feb. 8	6.5	6 15 16.01	...	43 27.3	M
271	<i>Anon.</i>					279	<i>Lacaille 2286.</i>				
Jan. 9	7.6	6 11 4.13	5	149 53 54.8	M	Jan. 11	7.0	6 15 40.51	6	123 45 51.0	M
						280	<i>Anon.</i>				
						Jan. 19	8.7	6 19 51.11	5	65 20 59.9	N

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		<i>h. m. s.</i>		<i>° ' "</i>				<i>h. m. s.</i>		<i>° ' "</i>	
281	<i>α Argus, Canopus.</i>					292	<i>24 Geminorum γ</i>				
Feb. 23	...	6 21 0.05	...	142 37 26.1	<i>m</i>	Jan. 24	...	6 30 1.61	...	73 29 25.1	<i>m</i>
Dec. 16	...	21 0.04	...	37 26.8	<i>m</i>	Feb. 1	...	30 1.73	...	29 23.7	<i>m</i>
282	<i>Anon.</i>					6	...	30 1.65	...	29 25.5	<i>m</i>
Jan. 5	9.0	6 22 2.33	...	129 36 37.1	<i>m</i>	14	...	30 1.72	...	29 26.6	<i>m</i>
283	<i>Lacaille 2321.</i>					15	...	30 1.73	...	29 25.3	<i>m</i>
Dec. 11	7.0	6 23 30.63	5	153 20 55.6	<i>m</i>	16	...	30 1.81	5	29 24.9	<i>m</i>
284	<i>Taylor 2524.</i>					293	<i>Anon.</i>				
Feb. 4	7.7	6 23 32.93	...	131 3 10.7	<i>m</i>	Mar. 2	8.9	6 30 49.10	...	130 53 23.0	<i>m</i>
285	<i>Taylor 2529.</i>					294	<i>Anon.</i>				
Feb. 7	7.0	6 24 27.02	...	130 59 24.7	<i>m</i>	Jan. 29	9.5	6 31 7.71	...	122 6 52.2	<i>m</i>
11	6.9	24 27.12	...	59 23.6	<i>m</i>	295	<i>Anon.</i>				
286	<i>Taylor 2541.</i>					Jan. 3	8.0	6 31 32.56	...	130 56 32.4	<i>m</i>
Feb. 13	6.0	6 24 58.20	...	147 55 6.7	<i>m</i>	296	<i>R Monocerotis Var. 1.</i>				
287	<i>Anon.</i>					Feb. 23	10.3	6 31 54.16	5	81 8 53.5	<i>m</i>
Jan. 21	9.2	6 27 34.43	...	128 46 6.1	<i>m</i>	297	<i>Anon.</i>				
288	<i>Anon.</i>					Jan. 21	8.9	6 33 59.67	...	130 54 25.9	<i>m</i>
Dec. 16	9.5	6 27 51.50	4	131 5 25.5	<i>m</i>	298	<i>Anon.</i>				
289	<i>Anon.</i>					Jan. 5	7.9	6 31 36.46	5	130 28 6.4	<i>m</i>
Jan. 20	6.3	6 28 29.28	...	122 7 37.9	<i>m</i>	299	<i>27 Geminorum ε</i>				
Feb. 2	6.9	28 29.16	...	7 37.8	<i>m</i>	Feb. 6	...	6 35 45.00	...	64 44 27.5	<i>m</i>
290	<i>Anon.</i>					7	...	35 44.93	...	44 26.5	<i>m</i>
Feb. 8	8.0	6 28 41.14	4	151 10 10.6	<i>m</i>	9	...	35 44.87	...	44 27.4	<i>m</i>
291	<i>Taylor 2589.</i>					11	...	35 44.93	...	44 27.1	<i>m</i>
Feb. 12	6.9	6 29 51.53	5	151 46 57.0	<i>m</i>	12	...	35 44.90	4	44 26.3	<i>m</i>
300	<i>Anon.</i>					13	...	35 44.94	5	44 27.8	<i>m</i>
Jan. 11	8.0	6 33 53.12	...	130 36 13.7	<i>m</i>	14	...	35 44.94	...	44 27.6	<i>m</i>
						15	...	35 44.96	...	44 27.0	<i>m</i>

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Number and Date.	Magnitude.	Mean Right Ascension 1867. h m s.	No. of Wires.	Mean Polar Distance 1867. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1867. h m s.	No. of Wires.	Mean Polar Distance 1867. ° ' "	Observer.
301 <i>51 Cephei Rev.</i>						309 <i>Anon.</i>					
Jan. 7		6 37 10.18	3	2 45 27.6	M	Jan. 24	9.5	6 45 5.63	...	106 32 54.5	R
14	...	37 10.30	3	45 29.0	R	310 <i>Lalande 13279.</i>					
23		37 10.14	3	45 28.2	R	Jan. 18	...	6 46 36.21	...	65 35 21.6	R
Feb. 23		37 10.81	3	45 27.5	R	19	7.7	46 36.09	4	35 29.2	R
27		37 9.91	2	45 27.3	R	21	8.0	46 36.16	...	35 29.2	R
Mar. 1		37 10.55	3	45 29.0	M	311 <i>Lalande 13313.</i>					
7	...	37 8.68	1	45 27.1	M	Jan. 3	8.0	6 47 30.90	...	65 40 39.3	M
<i>51 Cephei Rev.—s.p.</i>						Feb. 22	8.9	47 31.04	...	40 37.1	R
July 4		6 37 9.93	3	2 45 29.4	R	Dec. 17	8.5	47 31.10	5	40 38.3	R
Aug. 6		37 10.00	2	45 28.9	M	312 <i>Anon.</i>					
27		37 8.90	2	45 29.5	R	Feb. 23	8.2	6 48 34.87	...	128 49 36.5	R
302 <i>31 Geminorum E</i>						313 <i>39 Geminorum.</i>					
Nov. 14		6 37 40.35	...	70 57 50.8	M	Jan. 25		6 50 35.53	...	65 44 51.4	R
303 <i>Lacaille 2451.</i>						28	...	50 35.54		44 52.2	R
Jan. 19	8.2	6 38 11.29		155 57 53.7	R	29	...	50 35.36	5	44 52.0	R
304 <i>9 Canis Majoris α, Sirius.</i>						Feb. 1	...	50 35.61	3	44 51.5	M
Jan. 12		6 39 17.04		105 32 9.3	M	2	...	50 35.54	...	44 53.6	M
34		39 17.06	5	32 11.7	R	314 <i>Lacaille 2538.</i>					
305 <i>Anon.</i>						Jan. 11	6.4	6 51 25.22	4	114 47 46.7	M
Jan. 25	9.0	6 40 30.52	3	151 13 40.2	R	Mar. 7	7.7	51 25.20	...	47 47.3	M
306 <i>Anon.</i>						315 <i>Anon.</i>					
Jan. 25	8.5	6 42 20.28	4	130 57 8.5	R	Jan. 21	9.5	6 52 44.96	5	152 54 32.7	R
Mar. 6	8.6	42 20.47	...	57 9.6	M	316 <i>21 Canis Majoris α</i>					
307 <i>Anon.</i>						Jan. 24	...	6 53 23.91	...	118 47 36.2	R
Jan. 26	9.3	6 43 43.10	5	130 58 16.2	R	26		53 23.91		47 35.7	R
308 <i>Anon.</i>						Feb. 18		53 23.86		47 35.5	R
Feb. 26	7.7	6 43 47.07	5	128 30 36.6	R	Mar. 8		53 23.92		47 36.0	M
Mar. 5	7.7	43 47.01		30 35.3	M	317 <i>Taylor 2805.</i>					
9	7.4	43 46.86		30 35.4	M	Jan. 12	8.0	6 55 11.99	6	60 12 42.6	M

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		h.	m.	s.		°	'	"	
318 43 Geminorum 3 ¹ Var. 1.									
Jan. 19	...	6	56	13.10	...	69	14	17.0	R
Nov. 14	...	56	12.77	...		14	15.0		M
319 Anon.									
Jan. 23	9.5	6	56	27.29	5	129	17	33.8	R
320 Taylor 2825.									
Jan. 15	9.0	6	56	54.00	...	150	51	54.8	R
321 23 Canis Majoris γ									
Jan. 25	...	6	57	44.45	...	105	26	21.5	R
26	...	57	44.52	...		26	21.0		R
Feb. 10	...	57	44.40	...		26	21.0		R
18	...	57	44.39	...		26	19.5		R
Dec. 17	...	57	44.44	...		26	21.0		R
322 Lalande 13707.									
Jan. 3	8.1	6	58	17.09	4	67	6	54.1	M
Feb. 23	8.0	58	17.08	...		6	53.8		R
26	8.0	58	16.95	5		6	54.5		R
323 W. B. N. VI. 1762.									
Jan. 17	9.5	6	58	36.40	...	70	55	5.6	R
21	9.3	58	36.40	...		53	6.0		M
Mar. 1	9.3	58	36.36	...		53	4.2		M
324 Taylor 2840.									
Mar. 2	8.2	6	59	5.30	4	150	57	8.2	M
9	8.0	59	5.33	...		57	5.6		M
325 47 Geminorum.									
Jan. 19	...	7	3	7.08	...	62	53	41.6	R
21	...	3	8.00	...		53	40.3		R
23	...	3	8.03	...		53	41.1		R
Feb. 4	...	3	7.79	5		53	42.0		M
5	...	3	7.96	...		53	40.3		M
6	...	3	8.00	...		53	41.1		M
7	...	3	8.01	...		53	40.9		M
326 Anon.									
Feb. 8	...	7	3	8.02	...	62	55	41.9	M
11	...	3	8.01	...		55	42.2		M
12	...	3	7.98	4		55	41.8		M
13	...	3	8.00	...		55	42.5		M
14	...	3	7.96	...		55	41.9		M
327 Taylor 2899.									
Feb. 18	8.9	7	5	53.57	...	130	9	5.6	R
Mar. 12	8.0	5	53.66	6		9	7.0		M
328 Anon.									
Mar. 2	8.0	7	8	11.34	4	152	5	19.0	M
329 Anon.									
Feb. 11	8.9	7	8	59.68	...	130	17	37.4	M
330 55 Geminorum 2									
Jan. 16	...	7	12	10.70	...	67	46	33.7	R
19	...	12	10.67	...		46	34.3		R
23	...	12	10.77	...		46	34.9		R
29	...	12	10.80	...		46	33.3		R
Feb. 7	...	12	10.77	...		46	33.9		M
8	...	12	10.58	...		46	32.9		M
13	...	12	10.71	...		46	33.9		M
14	...	12	10.67	...		46	33.6		M
16	...	12	10.68	...		46	34.5		M
26	...	12	10.61	...		46	33.2		R
Mar. 6	...	12	10.73	...		46	31.5		M
15	...	12	10.58	...		46	32.6		M
Dec. 12	...	12	10.73	...		46	34.4		M
17	...	12	10.62	4		46	33.3		R
331 Anon.									
Mar. 11	8.4	7	12	37.96	...	132	49	14.7	M

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332 <i>57 Geminorum A</i>						340 <i>Anon.</i>					
Jan. 7	...	7 15 21.91	...	61 41 50.6	m	Mar. 15	9.5	7 19 51.16	6	152 35 50.9	m
8	...	15 21.72	5	41 50.1	m	341 <i>Anon.</i>					
9	...	15 21.91	...	41 50.0	m	Mar. 8	7.9	7 25 32.94	...	129 18 27.7	m
10	...	15 21.93	...	41 50.1	m	342 <i>68 Geminorum.</i>					
11	...	15 21.79	...	41 51.3	m	Dec. 12	...	7 26 0.91	...	73 53 27.8	m
12	...	15 21.33	...	41 49.8	m	13	...	26 0.83	...	53 25.9	m
15	...	15 21.79	...	41 50.9	m	343 <i>66 Geminorum a², Castor.</i>					
23	...	15 21.83	...	41 49.8	m	Jan. 29	...	7 26 6.61	...	57 49 23.0	m
24	...	15 21.80	...	41 50.0	m	Feb. 11	...	26 6.66	...	49 23.7	m
25	...	15 21.66	...	41 51.0	m	13	...	26 6.66	...	49 24.8	m
28	...	15 21.92	...	41 51.1	m	14	...	26 6.65	...	49 24.6	m
29	...	15 21.79	...	41 51.8	m	15	...	26 6.66	...	49 23.2	m
31	...	15 21.80	5	41 51.1	m	23	...	26 6.66	...	49 26.2	m
Feb. 1	...	15 21.84	6	41 50.1	m	27	...	26 6.68	...	49 24.1	m
2	...	15 21.98	...	41 49.3	m	Mar. 1	...	26 6.57	...	49 24.4	m
333 <i>Taylor 3005.</i>						2	...	26 6.67	...	49 23.0	m
Mar. 1	8.0	7 15 31.98	...	149 1 14.7	m	6	...	26 6.62	...	49 23.4	m
334 <i>Lacaille 2805.</i>						9	...	26 6.59	...	49 26.9	m
Feb. 15	7.8	7 17 32.94	...	153 5 28.1	m	Dec. 17	...	26 6.68	...	49 22.3	m
335 <i>Anon.</i>						344 <i>69 Geminorum v</i>					
Mar. 5	9.0	7 17 43.06	...	129 45 30.4	m	Jan. 16	...	7 27 43.45	...	62 48 42.4	m
336 <i>Anon.</i>						17	...	27 43.46	...	48 42.7	m
Mar. 2	9.0	7 18 10.22	6	129 42 54.3	m	18	...	27 43.30	...	48 43.9	m
337 <i>Anon.</i>						21	...	27 43.45	...	48 42.1	m
Jan. 21	10.0	7 18 57.94	...	60 15 47.5	m	345 <i>Anon.</i>					
338 <i>Lacaille 2807.</i>						Mar. 11	7.9	7 30 41.50	...	121 51 50.8	m
Mar. 7	7.8	7 19 36.96	...	142 15 44.2	m	346 <i>Taylor 3133.</i>					
339 <i>Anon.</i>						Jan. 4	6.7	7 31 9.37	...	65 26 44.9	m
Feb. 26	9.0	7 19 42.63	5	139 8 20.2	m	5	6.7	31 9.77	...	26 43.9	m
347 <i>Anon.</i>						Mar. 7	8.7	7 31 10.92	...	131 10 58.2	m

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364		<i>R. P. L. 49.</i>				374		<i>Anon.</i>			
Mar. 6	—	7 44 40.46	3	5 34 7.3	M	Mar. 3	8.8	7 53 47.19	...	149 53 19.0	M
365		<i>83 Geminorum ϕ</i>				375		<i>6 Cancri.</i>			
Jan. 7	...	7 45 21.48	—	63 53 35.6	M	Feb. 6	...	7 55 20.77	...	61 50 9.1	M
8	...	45 21.34	—	53 35.6	M	8	...	55 20.00	...	50 5.2	M
9	—	45 21.30	—	53 35.2	M	Mar. 4	...	55 20.73	5	50 5.9	M
366		<i>Brisbane 1791.</i>				376		<i>8 Cancri.</i>			
Jan. 22	8.0	7 46 22.47	..	141 25 7.1	M	Feb. 16	...	7 57 30.85	...	76 30 20.0	M
367		<i>Taylor 3293.</i>				377		<i>Anon.</i>			
Mar. 13	7.7	7 46 33.44	5	141 41 33.6	M	Jan. 22	9.0	7 57 41.32	5	156 24 39.8	M
4	6.9	44 33.49	...	41 34.5	M	378		<i>Anon.</i>			
368		<i>Anon.</i>				Jan. 24	10.3	8 0 19.09	4	79 25 23.3	M
Mar. 12	8.1	7 47 8.14	4	153 21 15.1	M	379		<i>Anon.</i>			
369		<i>U Geminorum Var. 3.</i>				Mar. 11	8.0	8 1 25.93	...	150 31 52.5	M
Dec. 16	10.3	7 47 12.75	5	67 30 6.8	M	12	7.9	1 25.90	...	31 53.3	M
370		<i>Anon.</i>				380		<i>15 Argus.</i>			
Mar. 16	9.5	7 48 48.96	4	129 55 18.4	M	Feb. 4	...	8 1 52.77	...	113 25 23.5	M
371		<i>1 Cancri.</i>				22	...	1 52.80	...	55 23.0	M
Feb. 15	—	7 49 20.33	5	73 51 20.2	M	23	...	1 52.83	...	55 22.6	M
372		<i>Taylor 3323.</i>				25	...	1 52.84	—	55 22.3	M
Mar. 11	7.9	7 49 51.25	5	140 16 9.5	M	26	...	1 52.85	...	55 22.4	M
373		<i>W. B. N. VII. 1473.</i>				27	...	1 52.84	...	55 22.0	M
Jan. 21	L	7 53 42.30	...	61 32 51.8	M	Mar. 8	...	1 52.95	...	55 22.6	M
24	7.2	53 42.24	—	32 51.4	M	9	...	1 52.87	4	55 22.8	M
26	7.0	53 42.28	—	32 51.8	M	13	...	1 52.81	...	55 22.7	M
						14	—	1 52.85	—	55 22.1	M
381		<i>Anon.</i>				382		<i>14 Cancri ψ?</i>			
Jan. 31	9.2	8 2 15.48	5	129 20 28.3	M	Jan. 4	—	9 2 20.25	...	61 8 30.4	M
						5	—	2 25.96	—	5 51.9	M

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383		Anon.							
Mar. 19	9.6	8	4	34.68	...	151	41	5.1	N
384		16 Cancri 3							
Jan. 19	...	8	4	34.86	...	71	57	13.9	N
385		Lacaille 3200.							
Jan. 22	6.5	8	4	49.94	5	153	7	56.9	N
Feb. 11	6.9			50.29	...		7	57.1	M
Mar. 2	6.9			50.39	5		7	58.3	M
386		Anon.							
Mar. 1	9.4	8	5	36.44	5	77	25	31.2	M
387		Anon.							
Mar. 18	9.5	8	5	43.67	...	128	39	18.3	N
388		Anon.							
Feb. 25	8.0	8	6	10.35	...	128	41	3.0	N
389		Anon.							
Jan. 31	9.5	8	6	12.24	3	128	40	14.6	N
390		Anon.							
Feb. 25	9.2	8	8	40.56	...	128	38	56.0	N
391		W. B. E. VIII. 220.							
Mar. 8	8.0	8	9	37.03	—	90	22	16.7	N
9	8.1			36.96	6		22	16.0	N
11	8.0			36.97	...		22	16.0	N
392		Anon.							
Jan. 21	9.7	8	10	9.07	...	150	47	12.9	N
393		Anon.							
Mar. 14	9.2	8	10	29.29	5	151	26	51.2	N

Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.			No. of Wires.	Mean Polar Distance 1867. ° ' "			Observer.
394		Anon.							
Mar. 12	8.0	8	11	53.20	..	152	1	51.5	N
395		Anon.							
Feb. 26	9.5	8	12	1.93	...	131	43	22.6	N
396		Anon.							
Mar. 15	8.0	8	12	23.31	5	128	41	13.0	M
397		Anon.							
Jan. 26	9.5	8	13	19.83	5	131	43	28.3	N
Mar. 13	9.3			13 19.50	...		43	29.5	N
16	9.0			13 19.76	5		43	30.1	N
19	9.6			13 19.85	5		43	29.1	N
398		W. B. E. VII. 383.							
Mar. 4	7.3	8	15	35.46	...	100	19	37.1	N
5	7.6			15 35.45	...		19	38.1	N
6	...			15 35.38	...		19	37.9	N
7	7.3			15 35.55	...		19	38.6	N
399		Anon.							
Feb. 25	9.5	9	16	35.60	...	77	32	20.5	N
400		Anon.							
Mar. 2	8.7	8	17	32.62	...	77	49	42.9	N
401		Anon.							
Jan. 21	9.5	8	18	1.12	5	151	23	16.6	N
402		Taylor 3599.							
Mar. 8	6.9	8	20	21.28	5	141	53	30.9	N
12	7.0			20 21.23	...		53	30.7	N
14	6.9			20 21.33	...		53	31.3	N
403		Taylor 3607.							
Mar. 11	6.8	8	21	19.41	5	141	55	57.8	N

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404	Anon.								
Mar. 9	8.0	8	21	36.53	5	131	42	10.0	m
405	Anon.								
Mar. 12	9.3	8	21	41.00	5	153	18	6.4	n
406	Anon.								
Mar. 14	7.1	8	23	35.39	...	144	53	42.9	m
407	33 Cancri γ								
Jan. 19	...	8	25	0.80	...	69	6	35.7	m
21	...	25	0.91	...	...	6	34.1	n	
Feb. 22	...	25	0.87	...	...	6	34.9	n	
26	...	25	0.80	...	...	6	35.9	n	
Mar. 1	...	25	0.91	...	...	6	35.2	m	
4	...	25	0.80	...	...	6	36.1	n	
7	...	25	0.83	...	...	6	34.9	m	
13	...	25	0.81	...	...	6	34.6	m	
15	...	25	0.74	3	...	6	34.7	m	
Dec. 13	...	25	0.95	...	...	6	34.1	m	
408	Taylor 3651.								
Feb. 14	6.7	8	25	49.17	5	130	3	50.7	n
409	Taylor 3652.								
Feb. 16	7.7	8	25	40.31	5	139	3	15.7	n
410	Anon.								
Feb. 2	...	8	26	11.25	...	145	0	34.9	m
411	Anon.								
Mar. 6	9.1	8	28	48.95	5	75	19	43.9	m
412	Lalande 16890.								
Mar. 11	7.9	8	28	51.74	...	73	13	29.5	m
413	Anon.								
Mar. 16	9.3	8	28	57.72	...	70	41	16.7	n
414	W. B. N. VIII. 699.								
Jan. 22	9.0	8	29	41.42	...	70	40	16.6	n
415	Anon.								
Mar. 19	9.0	8	31	19.17	...	129	46	2.1	n
416	Taylor 3710.								
Mar. 2	7.1	8	31	29.53	...	141	21	41.6	m
417	Anon.								
Mar. 8	8.4	8	34	11.25	4	154	21	4.6	m
418	Lacaille 3475.								
Apr. 4	6.9	8	34	57.13	5	152	23	13.5	m
419	43 Cancri γ								
Dec. 13	...	8	35	35.04	...	68	3	20.7	m
420	Lacaille 3491.								
Mar. 12	6.8	8	36	4.42	...	152	22	30.5	m
13	7.0	36	4.46	...	...	22	29.6	m	
421	β Velorum.								
Mar. 9	6.0	8	36	12.06	...	136	10	36.4	m
14	5.3	36	12.20	...	...	10	39.7	m	
422	47 Cancri δ								
Feb. 16	...	8	37	7.45	6	71	31	32.3	n
Mar. 15	...	37	7.36	...	...	21	31.3	m	

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Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires	Mean Polar Distance 1867.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires	Mean Polar Distance 1867.			Observer.
442 Taylor 4026.																			
Mar. 11	7.0	9	6	1.63	5	132	43	27.0	M	Mar. 11	...	9	11	33.23	...	71	43	58.7	M
20	7.5		6	1.60	...		43	27.4	M	12	...	11	33.31	...		43	58.2	M	
Apl. 10	7.3		6	1.83	...		43	26.0	M	14	...	11	33.26	...		43	58.7	M	
										25	...	11	33.24	...		43	56.4	M	
443 Taylor 4028.																			
Mar. 2	7.8	9	6	11.79	...	132	43	39.8	M	452 Anon.									
13	7.7		6	11.50	...		43	39.0	M	Feb. 28	9.2	9	12	27.62	...	124	48	18.0	M
26	8.5		6	11.78	...		43	40.1	M	Mar. 15	8.0		12	27.25	...		48	18.1	M
										29	8.9		12	27.00	4		48	16.5	M
444 Anon.																			
Mar. 30	10.0	9	7	39.90	...	124	47	57.5	M	453 Anon.									
445 Lacaille 3747.																			
Apl. 1	7.5	9	7	49.88	5	150	24	33.0	M	Feb. 20	10.0	9	13	6.15	4	70	32	56.9	M
2	7.8		7	49.99	5		24	34.0	M	26	10.2		13	6.19	5		32	56.1	M
4	7.6		7	49.99	5		24	35.1	M	454 Argès.									
5	8.0		7	49.95	6		24	31.9	M	Feb. 27		9	13	32.01	5	148	43	7.1	M
15	8.0		7	49.90	5		24	32.7	M	455 Anon.									
446 Anon.																			
Apl. 3	8.7	9	9	22.46	...	150	32	31.1	M	Apl. 3	8.7	9	15	9.21	...	150	29	29.8	M
										6	8.0		15	9.13	...		29	30.5	M
447 Lacaille 3761.																			
Apl. 1	7.5	9	9	31.83	5	150	22	10.1	M	456 Anon.									
15	7.0		9	31.65	5		22	9.6	M	Apl. 2	8.7	9	15	21.09	5	150	25	5.4	M
										4	8.0		15	20.95			25	5.3	M
										5	8.1		15	20.67			25	3.2	M
448 Anon.																			
Apl. 11	9.6	9	10	18.32	5	150	26	7.1	M	457 Anon.									
449 Anon.																			
Apl. 2	7.9	9	10	49.08	...	150	21	36.4	M	Mar. 5	7.5	9	15	21.49	...	149	49	27.4	M
4	7.9		10	49.06	5		21	35.1	M	458 Anon.									
5	7.9		10	49.19	4		21	32.6	M	Feb. 23	8.9	9	15	43.04	...	124	47	39.8	M
450 Anon.																			
Feb. 22	9.5	9	11	4.45	5	70	41	32.8	M	459 Anon.									
25	9.4		11	4.28	6		41	31.3	M	Feb. 16	9.0	9	16	30.06	5	70	27	24.2	M
										25	9.5		16	30.49	5		27	27.2	M

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Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
478 Lacaille 3980.																			
Apl. 6	7.0	9	34	35.71	—	148	34	36.0	M	Apl. 6	7.9	9	39	44.70	5	148	34	33.2	M
479 Anon.																			
Apl. 2	9.0	9	35	36.60	...	148	30	24.2	M	487 l Carinae Var. 1.									
										Apl. 1	5.7	9	41	35.69	5	151	53	45.8	M
480 Anon.																			
Feb. 27	8.0	9	35	55.04	...	148	40	57.6	N	488 Anon.									
Apl. 3	7.8		35	54.56	...		40	59.8	M	Feb. 19	8.0	9	41	36.77	5	130	46	49.3	N
11	7.4		35	54.85	...		40	58.0	M	489 Taylor 4337.									
										Apl. 5	7.0	9	41	56.94	...	148	26	5.4	M
481 Anon.																			
Apl. 13	8.6	9	36	53.89	5	151	54	38.9	M	490 Anon.									
										Apl. 10	8.0	9	42	49.43	5	130	48	39.4	M
482 Anon.																			
Apl. 5	6.9	9	37	0.22	...	148	26	5.0	M	491 Anon.									
										Apl. 6	9.5	9	44	13.40	...	148	30	48.0	M
483 Anon.																			
Apl. 4	7.9	9	37	10.56	5	148	32	5.8	M	492 Anon.									
6	8.0		37	10.43	5		32	6.3	M	Feb. 23	9.2	9	45	4.65	5	129	48	10.8	N
										Mar. 29	9.5		45	4.37	...		48	11.8	N
484 R Leonis Minoris Var. 1.																			
Feb. 18	7.0	9	37	35.29	...	51	52	44.9	N	493 R. P. L. 70.									
Mar. 1	7.7		37	35.61	...		52	44.1	M	Feb. 23	...	9	46	49.77	3	5	26	38.9	N
6	7.3		37	35.42	...		52	42.6	M	27	...		46	51.36	3		26	38.1	N
										Mar. 26	...		46	50.81	3		26	37.3	N
485 17 Leonis e																			
Feb. 16		9	38	17.82	...	65	36	55.4	N	494 Taylor 4381.									
22	...		38	17.79	...		36	54.7	N	Feb. 25	6.5	9	47	11.46	5	132	7	24.1	N
28			38	17.73	...		36	55.8	N	Mar. 8	6.7		47	11.39	5		7	23.8	M
Mar. 5	...		38	17.87	5		36	54.7	M	13	6.5		47	11.23	...		7	24.2	M
7			38	17.85	...		36	55.2	M	495 Anon.									
8			38	17.80	...		36	55.4	M	Feb. 28	10.3	9	47	16.53	5	73	34	23.4	N
10			38	17.74	...		36	56.9	N	Mar. 29	..		47	16.00	...		34	20.4	N
26			38	17.33	5		36	54.9	N	496 Anon.									
28			38	17.92	...		36	54.8	N	Feb. 23	9.0	9	52	49.79	...	129	41	30.1	N
29	...		38	17.63	...		36	55.0	N	Apl. 4	8.0		52	49.57	...		41	32.0	M
30			38	17.82	...		36	55.8	N	15	9.3		52	49.80	...		61	34.4	M
Apl. 12	...		38	17.96	5		36	55.9	M										

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Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.
		h.	m.	s.		°	'	"	
513	<i>Anon.</i>								
Apl. 3	8.7	10	9	8.50	5	139	52	35.8	m
514	<i>R. P. L. 72.</i>								
Mar. 26		10	9	50.41	2	5	4	31.0	n
	<i>R. P. L. 72—s.p.</i>								
Sep. 24	...	10	9	50.78	3	5	4	33.2	n
Oct. 8	...		9	50.83	1		4	32.3	m
515	<i>Anon.</i>								
Feb. 25	8.0	10	9	53.15	...	145	35	16.2	n
516	<i>Anon.</i>								
Mar. 6	8.0	10	10	23.27	5	139	52	6.3	m
16	9.3		10	23.22	5		52	5.9	n
Apl. 5	8.0		10	23.26	6		53	5.2	m
517	<i>41 Leonis γ^1</i>								
Mar. 13	...	10	12	38.14	5	69	29	13.8	m
14	...		12	38.07	...		29	13.7	m
Apl. 2	...		12	38.13	...		29	14.4	m
4	...		12	38.16	...		29	14.1	m
8	...		12	38.12	...		29	13.7	m
11	...		12	38.22	...		29	13.4	m
13	...		12	38.12	5		29	14.3	m
518	<i>Anon.</i>								
Apl. 16	9.5	10	12	50.06	5	128	37	51.6	n
519	<i>Anon.</i>								
Feb. 26	8.0	10	16	6.81	5	125	33	13.1	n
Mar. 13	7.9		16	6.76	...		33	13.0	n
20	8.2		16	6.73	..		33	13.3	n
520	<i>Lalande 20139.</i>								
Feb. 18	8.8	10	16	17.88	...	75	25	24.9	n
521	<i>Anon.</i>								
Feb. 25	9.7	10	18	52.64	5	146	9	21.0	n
522	<i>Anon.</i>								
Mar. 16	9.7	10	19	30.33	...	146	9	36.9	n
523	<i>Anon.</i>								
Feb. 27	9.5	10	21	25.92	5	125	34	7.7	n
Mar. 19	9.5		21	25.89	5		34	11.6	n
524	<i>Anon.</i>								
Feb. 26	7.2	10	22	17.71	...	125	32	28.5	n
Mar. 19	7.0		22	17.66	5		32	29.6	n
20	7.9		22	17.63	...		32	29.4	n
525	<i>Anon.</i>								
Apl. 2	8.0	10	24	12.38	5	146	56	1.5	m
526	<i>Anon.</i>								
Apl. 3	8.4	10	24	32.14	...	146	59	50.6	m
527	<i>Anon.</i>								
Feb. 27	8.0	10	24	53.47	..	125	34	45.3	n
Apl. 13	8.3		24	53.40	..		34	48.7	n
528	<i>Lalande 20402.</i>								
Apl. 4	7.5	10	25	8.24	...	79	53	41.6	m
6	7.6		25	8.14	...		53	43.3	m
17	8.0		25	8.16	...		53	40.9	n
529	<i>47 Leonis ρ</i>								
Jan. 21	...	10	25	48.27	...	80	0	37.3	n
22	...		25	48.41	...		0	37.8	n
Feb. 18	...		25	48.41	...		0	37.0	n
19	...		25	48.41	...		0	38.0	n
23	...		25	48.47	...		0	37.3	n
Mar. 16	...		25	48.37	...		0	36.2	n
18	...		25	48.40	...		0	31.7	n
30	...		25	48.34	...		0	37.8	n
Apl. 5	...		25	48.38	...		0	36.2	m
8	...		25	48.43	...		0	36.0	m
11	...		25	48.33	...		0	35.9	m
12	...		25	48.42	...		0	36.6	m

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		h.	m.	s.		°	'	"	
530	<i>Taylor 4769.</i>								
Apl. 15	5.7	10	30	29.80	...	146	52	12.9	m
531	<i>Anon.</i>								
Feb. 20	9.0	10	31	10.43	...	151	10	32.9	m
Apl. 1	8.6		31	10.40	5		10	34.5	m
532	<i>R Ursae Majoris Var 1.</i>								
Apl. 4	7.7	10	35	11.66	3	20	31	37.7	m
10	7.3		35	11.75	5		31	38.2	m
11	7.0		35	11.55	4		31	38.2	m
533	<i>Anon.</i>								
Mar. 16	9.3	10	35	29.86	5	137	20	28.7	n
534	<i>Anon.</i>								
Apl. 2	8.7	10	35	48.04	...	146	54	26.7	m
13	8.0		35	47.87	5		54	25.6	m
15	8.0		35	47.89	5		54	26.2	m
535	<i>Taylor 4850—1st.</i>								
Apl. 20	9.0	10	39	46.16	3	148	51	7.8	n
536	<i>Taylor 4850—2nd.</i>								
Apl. 20	7.7	10	38	49.27	4	148	51	3.0	n
537	<i>Taylor 4852—1st.</i>								
Mar. 15	8.0	10	39	59.00	...	148	52	42.6	m
538	<i>Taylor 4852—2nd.</i>								
Apl. 3	8.9	10	39	0.53	...	148	52	45.0	m
539	<i>Brisbane 3194.</i>								
Apl. 5	8.3	10	39	24.40	...	149	2	41.0	m
540	<i>Anon.</i>								
Apl. 25	9.0	10	39	31.78	5	139	3	7.0	n
541	<i>η Argus Var. 1.</i>								
Mar. 11	...	10	39	54.47	...	148	59	11.0	m
13	...		39	54.42	...		59	11.3	m
542	<i>Taylor 4872.</i>								
Apl. 17	7.7	10	41	11.43	5	151	14	31.8	n
543	<i>53 Leonis 1.</i>								
Feb. 18	...	10	42	15.87	5	78	43	8.5	m
19	...		42	15.91	...		43	7.6	n
20	...		42	15.85	...		43	9.1	n
Mar. 16	...		42	15.88	...		43	7.9	n
19	...		42	15.91	...		43	8.4	n
26	...		42	15.82	...		43	7.0	m
Apl. 2	...		42	15.84	...		43	7.5	m
6	...		42	15.92	5		43	7.5	m
27	...		42	15.82	...		43	6.9	n
544	<i>Anon.</i>								
Mar. 15	9.3	10	42	31.99	5	142	52	17.9	m
545	<i>Anon.</i>								
Feb. 21	9.7	10	42	32.13	...	75	5	49.0	n
546	<i>Taylor 4886.</i>								
Mar. 9	6.9	10	42	55.34	...	137	2	57.7	m
547	<i>Lacaille 4502.</i>								
Jan. 22	7.0	10	46	37.73	...	141	5	34.5	n
548	<i>Anon.</i>								
Apl. 25	9.2	10	49	3.53	...	147	42	1.4	n
549	<i>Anon.</i>								
Apl. 12	8.2	10	48	23.00	6	141	45	49.4	m
17	9.0		48	23.55	5		45	45.0	n

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		h.	m.	s.		°	'	"	
550 <i>Anon.</i>									
Mar. 13	8.6	10	48	33.94	6	148	52	33.5	M
Apl. 3	8.7		48	34.03	5		52	33.0	M
551 <i>Anon.</i>									
Mar. 16	...	10	50	30.34	5	148	40	2.0	R
552 <i>7 Crateris α</i>									
Feb. 21	...	10	53	17.78	...	107	35	29.5	R
553 <i>58 Leonis δ</i>									
Apl. 15	...	10	53	41.44	...	85	40	9.7	M
554 <i>R Crateris Var. 1.</i>									
Feb. 20	8.0	10	54	0.94	5	107	36	44.5	R
Mar. 30	9.0		54	1.10	...		36	43.7	R
Apl. 13	9.0		54	0.90	...		36	42.7	M
26	9.0		54	1.00	...		36	43.2	R
May 1	9.0		54	0.93	...		36	43.0	M
555 <i>Anon.</i>									
Apl. 11	9.1	10	54	11.17	6	107	39	14.7	M
May 8	9.1		54	11.13	3		39	14.0	M
556 <i>50 Ursae Majoris α, Dubhe.</i>									
May. 3	...	10	55	20.02	...	27	31	54.8	M
557 <i>Anon.</i>									
Mar. 14	8.9	10	57	9.71	...	145	36	40.6	M
558 <i>53 Leonis χ</i>									
Mar. 16	...	10	58	9.31	...	81	56	43.5	R
18	...		58	9.27	...		56	43.4	R
19	...		58	9.36	...		56	44.8	R
21	...		58	9.30	...		56	44.5	R
29	...		58	9.31	...		56	47.1	R
Apl. 1	...		58	9.23	4		56	43.8	M
559 <i>Lacaille 4612.</i>									
Apl. 26	8.8	11	1	1.88	5	154	47	31.8	R
560 <i>67 Leonis.</i>									
Apl. 27	6.2	11	1	40.69	...	64	37	20.0	R
561 <i>Lalande 21367.</i>									
Mar. 30	8.0	11	3	28.20	...	78	6	46.3	R
May 3	7.7		3	28.23	...		6	45.7	M
13	7.5		3	28.32	5		6	45.4	M
562 <i>Lalande 21366.</i>									
Feb. 20	9.0	11	3	30.17	...	64	8	44.1	R
Apl. 17	9.0		3	30.37	5		8	44.2	R
563 <i>S Leonis Var. 2.</i>									
Feb. 21	10.5	11	3	58.27	3	83	49	7.3	R
564 <i>Anon.</i>									
May. 1	8.8	11	4	27.40	5	150	15	32.0	M
565 <i>Anon.</i>									
Apl. 16	9.7	11	7	0.36	...	65	26	3.3	R

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		h.	m.	s.		°	'	"	
580 <i>Anon.</i>									
Apl. 25	10.0	11	26	38.75	5	151	38	55.0	R
581 <i>Anon.</i>									
Apl. 30	9.7	11	26	59.68	...	151	31	58.4	R
582 <i>91 Leonis ν</i>									
Feb. 19	...	11	30	8.31	...	90	5	23.8	R
20	...		30	8.30	...		5	20.5	R
Mar. 20	...		30	8.39	...		5	23.1	R
Apl. 1	...		30	8.27	...		5	24.4	M
3	...		30	8.27	...		5	24.3	M
4	...		30	8.20	5		5	24.6	M
5	...		30	8.14	...		5	23.5	M
6	...		30	8.31	...		5	24.9	M
15	...		30	8.30	...		5	23.5	M
16	...		30	8.32	5		5	24.7	R
27	...		30	8.36	...		5	23.6	R
May 1	...		30	8.33	...		5	23.3	M
2	...		30	8.33	...		5	24.2	M
4	...		30	8.38	...		5	23.8	M
6	...		30	8.33	...		5	24.8	M
7	...		30	8.25	5		5	24.1	M
9	...		30	8.19	...		5	23.4	M
11	...		30	8.38	...		5	23.6	M
13	...		30	8.41	...		5	23.9	M
583 <i>Anon.</i>									
Feb. 21	8.0	11	34	6.01	...	127	50	17.3	R
584 <i>W. B. E. XI. 579.</i>									
Mar. 30	9.3	11	34	52.84	...	83	16	5.0	R
May 3	9.1		34	52.80	5		16	5.3	M
585 <i>Anon.</i>									
Apl. 30	8.0	11	36	12.08	5	139	41	16.9	R
586 <i>Anon.</i>									
Apl. 25	7.9	11	38	17.94	...	143	39	43.3	R
587 <i>Anon.</i>									
May 8	7.9	11	41	5.55	5	140	53	5.0	M
11	7.8		41	5.49	...		53	4.6	M
588 <i>Anon.</i>									
May 6	8.5	11	41	17.97	...	126	31	26.7	M
7	8.7		41	17.90	6		31	25.7	M
589 <i>94 Leonis β, Deneb.</i>									
Feb. 21	...	11	42	16.52	...	74	41	4.7	R
Mar. 20	...		42	16.46	...		41	5.2	R
30	...		42	16.43	...		41	5.6	R
Apl. 4	...		42	16.59	...		41	6.2	M
5	...		42	16.59	...		41	6.4	M
6	...		42	16.44	...		41	4.8	M
10	...		42	16.26	...		41	5.0	M
17	...		42	16.37	...		41	5.2	R
26	...		42	16.42	...		41	4.7	R
27	...		42	16.30	...		41	5.3	R
30	...		42	16.40	...		41	5.0	R
May 1	...		42	16.43	...		41	6.3	M
2	...		42	16.43	...		41	6.0	M
4	...		42	16.36	...		41	6.0	M
9	...		43	16.41	...		41	5.3	M
14	...		42	16.44	5		41	5.9	.
15	...		42	16.41	...		41	4.8	M
590 <i>5 Virginis β</i>									
Feb. 19	...	11	43	46.19	...	87	29	10.5	R
20	...		43	45.97	...		29	11.6	R
Apl. 15	...		43	45.97	...		29	7.8	M
16	...		43	45.01	...		29	8.4	R
591 <i>Anon.</i>									
Mar. 28	9.0	11	48	34.20	5	124	55	47.3	M
Apl. 25	8.6		48	34.15	...		55	46.4	R
May 6	8.6		48	34.21	5		55	47.6	M
6	8.7		48	33.79	4		55	46.9	M
592 <i>Lacaille 4936.</i>									
Feb. 21	8.0	11	51	18.37	...	154	34	45.1	R

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
593 <i>Anon.</i>									
Apl. 27	9.5	11	51	43.83	5	144	13	56.1	R
30	8.7		51	45.93	5		13	55.4	R
594 <i>R. P. L. 87.</i>									
Apl. 1	...	11	52	28.32	2	2	15	53.9	M
May 3	...		52	28.47	1		15	53.6	M
4	...		52	27.57	1		15	53.5	M
7	...		52	29.07	1		15	52.7	M
11	...		52	27.28	1		15	53.3	M
<i>R. P. L. 87—s.p.</i>									
Nov. 2	...	11	52	27.70	2	2	15	53.6	M
595 <i>Anon.</i>									
Feb. 21	9.4	11	52	29.64	...	154	33	31.4	R
596 <i>8 Virginis π</i>									
Mar. 19	...	11	54	3.44	...	82	38	38.9	R
20	...		54	3.38	...		38	38.7	R
597 <i>Taylor 5535.</i>									
Apl. 24	8.0	11	57	12.75	...	70	26	30.6	R
598 <i>Anon.</i>									
Apl. 26	9.0	11	59	45.05	...	144	19	49.4	R
27	8.0		59	45.04	5		19	49.0	R
May 7	8.1		59	45.18	...		19	49.7	M
11	8.0		59	45.23	5		19	49.8	M
599 <i>Anon.</i>									
May 4	8.9	12	1	46.16	...	130	2	36.1	M
6	8.9		1	46.29	...		2	37.0	M
600 <i>2 Corvi α</i>									
Apl. 2	...	12	3	17.22	5	111	52	49.2	M
5	...		3	17.27	...		52	48.8	M
10	...		3	17.29	...		52	48.5	M
May 1	...		3	17.22	...		52	48.5	M
3	...		3	17.27	5		52	48.6	M
14	...		3	17.23	...		52	49.9	M
601 <i>Anon.</i>									
May 8	8.2	12	6	21.95	...	138	28	32.7	M
602 <i>R. P. L. 90.</i>									
Apl. 15	...	12	7	3.67	1	2	19	38.7	M
603 <i>Anon.</i>									
Mar. 30	9.5	12	7	46.53	...	90	15	15.1	R
Apl. 18	...		7	46.74	...		15	17.5	R
604 <i>15 Virginis η</i>									
Feb. 20	...	12	13	6.06	...	89	55	40.0	R
21	...		13	6.09	...		55	40.5	R
Apl. 16	...		13	6.07	...		55	39.7	R
19	...		13	5.97	...		55	39.1	R
26	...		13	6.07	...		55	40.3	R
May 1	...		13	6.06	...		55	40.0	M
3	...		13	6.16	...		55	40.7	M
4	...		13	6.04	...		55	39.7	M
7	...		13	5.98	...		55	39.6	M
13	...		13	5.98	...		55	39.6	M
14	...		13	6.10	...		55	39.7	M
22	...		13	6.02	...		55	39.9	R
605 <i>16 Virginis ϵ.</i>									
Mar. 19	...	12	13	35.77	...	85	16	47.9	R
606 <i>R. P. L. 93—s.p.</i>									
Sep. 17	...	12	14	18.46	1	1	33	46.6	R
607 <i>Anon.</i>									
Mar. 21	...	12	17	32.75	5	24	44	7.0	R
29	9.0		17	32.76	5		44	7.4	R
Apl. 18	8.4		17	32.71	4		44	6.2	R
608 <i>Anon.</i>									
May 13	7.8	12	20	35.60	5	141	20	17.5	M

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609 <i>W. B. E. XII. 446.</i>						617 <i>29 Virginis γ^1</i>					
Apl. 11	8.0	12 27 23.00	...	92 59 7.7	M	Feb. 20	...	12 31 55.15	...	90 43 9.4	R
May 1	8.9	27 23.07	6	59 9.0	M	21	...	34 55.17	...	43 9.9	R
6	8.4	27 22.92	...	59 9.1	M	Apl. 16	...	34 55.27	6	43 8.8	R
610 <i>9 Corvi β</i>						17	...	34 55.26	...	43 7.8	R
May 9	...	12 27 24.25	...	112 39 39.9	M	May 13	...	34 55.19	...	43 8.0	M
16	...	27 24.19	5	39 39.9	R	15	...	34 55.30	6	43 7.1	M
18	...	27 24.15	...	39 40.5	R	18	...	34 55.19	...	43 9.6	R
22	...	27 24.22	...	39 40.3	R	24	...	34 55.19	...	43 7.7	R
611 <i>Anon.</i>						618 <i>Anon.</i>					
Apl. 16	10.0	12 27 38.36	4	99 35 40.8	R	Apl. 19	9.5	12 30 38.00	...	141 55 13.0	R
27	10.0	27 38.38	3	38 40.5	R	619 <i>Anon.</i>					
30	9.8	27 38.31	...	38 38.7	R	May 9	9.6	12 30 45.51	...	94 2 52.5	M
612 <i>Lalande 23532.</i>						620 <i>Anon.</i>					
Apl. 13	7.9	12 28 37.88	...	92 48 47.7	M	Apl. 18	9.7	12 42 13.60	...	147 17 27.9	R
May 7	7.9	28 37.76	...	48 45.9	M	621 <i>Anon.</i>					
8	7.9	28 37.68	...	48 46.7	M	Apl. 24	9.0	12 43 1.22	...	139 26 16.2	R
613 <i>Anon.</i>						622 <i>Anon.</i>					
May 11	8.6	12 31 0.00	...	142 20 42.1	M	Apl. 30	9.0	12 43 18.41	5	89 42 20.1	R
614 <i>R Virginis Var. 2.</i>						May 7	9.0	43 18.58	...	42 19.5	M
May 3	7.9	12 31 45.10	...	82 16 47.3	M	623 <i>Anon.</i>					
615 <i>Anon.</i>						May 27	10.5	12 43 40.26	6	80 41 30.9	R
Apl. 18	9.8	12 32 46.25	...	100 5 42.2	R	31	10.6	43 40.14	2	41 36.2	R
24	9.7	32 45.98	...	5 43.1	R	624 <i>38 Virginis.</i>					
May 8	9.3	32 45.88	...	5 42.5	M	Apl. 16	...	12 46 22.60	5	92 49 40.0	R
616 <i>Anon.</i>						17	...	46 22.60	4	49 43.8	R
May 23	7.0	12 32 59.66	...	28 14 23.3	R	625 <i>40 Virginis ψ</i>					
						Mar. 21	...	12 47 26.33	...	98 49 56.6	R

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
626 <i>W. B. E. XII. 799.</i>																			
Apl. 11	8.6	12	47	45.77		80	45	26.2	M	Apl. 25	8.0	12	57	17.63		120	58	5.3	M
12	8.4		47	46.77	...		46	26.5	M	May 13	7.3		57	18.00	4		58	5.9	M
15	8.6		47	46.67	...		46	27.2	M										
627 <i>R. P. L. 99.</i>																			
May 30	...	12	48	11.25	3	5	51	48.1	R										
628 <i>Anon.</i>																			
Apl. 19	9.7	12	48	38.64	...	125	26	18.8	R										
May 11	8.3		48	38.74	...		26	18.5	M										
629 <i>Anon.</i>																			
Apl. 4	7.9	12	49	3.64	...	149	25	18.9	M										
May 13	7.9		49	3.35	...		25	17.3	M										
630 <i>12 Canum Venaticorum.</i>																			
Apl. 18	...	12	49	48.03	...	50	57	45.4	R										
24	...		49	48.09	...		57	46.0	R										
May 6	...		49	48.07	...		57	46.2	M										
8	...		49	48.14	5		57	46.7	M										
18	...		49	48.00	...		57	45.8	R										
22	...		49	48.04	...		57	46.4	R										
23	...		49	48.07	5		57	45.3	R										
631 <i>Anon.</i>																			
May 25	9.0	12	53	18.20	...	142	25	3.3	R										
632 <i>Anon.</i>																			
May 9	8.0	12	53	35.72	...	135	45	20.4	M										
633 <i>Anon.</i>																			
May 7	9.1	12	54	48.23	...	139	19	21.0	M										
634 <i>Anon.</i>																			
May 30	9.2	12	57	9.36	...	123	24	10.5	R										
635 <i>Lacaille 5381.</i>																			
Apl. 25	8.0	12	57	17.63															
May 13	7.3		57	18.00	4														
636 <i>Anon.</i>																			
May 11	8.3	12	58	15.93	..	124	20	41.2	M										
637 <i>51 Virginis 0</i>																			
Feb. 21	...	13	3	3.84	...	94	49	41.3	R										
Mar. 21	...		3	3.94	...		49	43.0	R										
22	...		3	3.91	...		49	42.6	R										
Apl. 15	...		3	3.85	...		49	42.4	R										
18	..		3	3.92	4		49	41.3	R										
19	...		3	3.90	...		49	42.1	R										
24	...		3	3.89	...		49	42.6	R										
May 14	...		3	3.84	..		49	42.8	M										
16	...		3	3.84	..		49	41.8	R										
18	...		3	3.88	...		49	41.5	R										
22	...		3	3.82	...		49	43.1	R										
23	..		3	3.92	...		49	42.1	R										
25	...		3	3.85	...		49	43.1	R										
27	...		3	3.88	...		49	42.1	R										
638 <i>Taylor 6057.</i>																			
May 8	5.6	13	4	0.73	...	149	12	44.9	M										
639 <i>Anon.</i>																			
May 9	9.0	13	4	42.60	...	138	11	32.4	M										
640 <i>Anon.</i>																			
Apl. 30	9.3	13	4	46.30	5	143	13	19.7	R										
641 <i>Anon.</i>																			
May 30	9.5	13	5	47.26	...	124	17	20.9	R										
642 <i>Lacaille 5434.</i>																			
Apl. 25	7.5	13	6	9.27	2	152	52	50.6	R										

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
643 <i>R. P. L. 101—s.p.</i>																			
Nov. 16	...	13	9	53.84	3	1	38	15.8	n	Apl. 24	...	13	20	6.71	3	4	32	59.8	n
21	...		9	53.71	3		38	15.1	n	25	—		20	6.51	3		32	00	n
644 <i>Taylor 6129.</i>																			
May 13	7.0	13	12	23.30	5	130	29	29.3	n	<i>R. P. L. 103—s.p.</i>									
Dec. 6 | ... | 13 20 5.77 | 3 | 4 33 2.1 | n																			
645 <i>Taylor 6148.</i>																			
May 25	7.5	13	14	21.75	...	128	9	17.2	n	652 <i>Anon.</i>									
May 30 | 10.6 | 13 23 26.90 | 5 | 68 39 10.4 | n																			
646 <i>Taylor 6160.</i>																			
May 27	8.0	13	15	45.26	5	128	55	55.0	n	653 <i>Anon.</i>									
30	8.3		15	45.32	...		55	54.4	n	May 24 | ... | 13 24 37.90 | 6 | 128 9 38.7 | n									
647 <i>67 Virginis a, Spica.</i>																			
Feb. 21	...	13	18	11.16	...	100	28	0.7	n	654 <i>Anon.</i>									
Mar. 22	...		18	11.28	...		27	58.3	n	Apl. 25 | 8.2 | 13 25 41.80 | 4 | 128 11 13.6 | n									
Apl. 15	...		18	11.22	...		27	56.7	n	655 <i>Taylor 6257.</i>									
17	...		18	11.35	...		27	58.4	n	May 25 | 9.2 | 13 25 47.38 | ... | 148 49 20.5 | n									
18	...		18	11.30	...		27	58.5	n	June 5 | 8.2 | ... | 25 47.76 | ... | 49 29.9 | n									
May 3	...		18	11.13	5		27	58.7	n	656 <i>76 Virginis h</i>									
14	..		18	11.28	...		27	58.8	n	Apl. 17 | ... | 13 25 57.83 | 5 | 99 28 41.9 | n									
16	..		18	11.34	...		27	57.9	n	657 <i>Anon.</i>									
29	...		18	11.21	...		27	58.4	n	May 27 | 8.3 | 13 26 49.45 | ... | 131 36 7.5 | n									
June 4	...		18	11.27	...		27	58.6	n	658 <i>79 Virginis 3</i>									
648 <i>79 Ursae Majoris 3—2nd.</i>																			
June 7	6.5	13	18	34.75	...	34	22	57.4	n	Mar. 22 | .. | 13 27 55.09 | ... | 89 54 55.3 | n									
649 <i>O. A. S. 12872.</i>																			
Apl. 29	9.7	13	19	30.85	...	116	57	23.7	n	23 | .. | 27 55.06 | ... | 54 54.3 | n									
May 31	9.9		19	30.89	5		57	21.7	n	Apl. 19 | .. | 27 55.06 | ... | 54 55.9 | n									
650 <i>Lacaille 5546.</i>																			
May 23	9.0	13	19	52.27	5	143	28	26.2	n	24 | ... | 27 55.08 | ... | 54 55.2 | n									
May 23 | ... | 27 55.03 | ... | 54 54.9 | n																			
29 | ... | 27 55.06 | ... | 54 53.8 | n																			
31 ... 27 55.07 ... 54 53.6 n																			
June 1 ... 27 54.99 ... 54 54.2 n																			
4 ... 27 55.12 ... 54 54.2 n																			
6 ... 27 55.07 ... 54 55.1 n																			
10 ... 27 54.95 ... 54 54.6 n																			

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659	<i>Lacaille 5614.</i>					670	<i>Anon.</i>				
Apl. 30	8.0	13 30 7.29	...	123 13 3.1	R	May 30	8.9	13 40 40.97	5	129 24 55.9	R
660	<i>Lacaille 5639.</i>					671	<i>O. A. S. 13186.</i>				
May 31	7.0	13 33 23.82	5	123 46 59.6	R	May 1	8.4	13 43 55.32	...	116 58 24.4	M
June 1	7.1	33 23.73	5	47 0.6	M	3	7.8	43 55.28	...	58 24.2	M
						4	8.4	43 55.12	...	58 24.3	M
661	<i>Anon.</i>					672	<i>O. A. S. 13198.</i>				
May 30	9.5	13 34 13.39	5	129 10 53.7	R	Apl. 30	9.2	13 41 57.78	...	117 11 26.3	R
662	<i>Anon.</i>					May 6	9.0	44 57.84	5	11 26.7	M
May 27	8.3	13 35 43.62	...	123 4 23.1	R	7	9.1	44 57.94	4	11 26.8	M
663	<i>O. A. S. 13079.</i>					673	<i>Anon.</i>				
June 5	9.3	13 36 1.71	6	116 49 35.0	M	Apl. 26	7.8	13 45 33.92	...	123 23 59.4	R
7	9.2	36 1.74	...	49 33.0	M	May 24	8.0	45 34.14	4	23 59.6	R
664	<i>Anon.</i>					674	<i>Anon.</i>				
Apl. 16	9.2	13 36 25.17	5	123 6 10.7	R	Apl. 27	10.0	13 45 41.61	5	123 24 5.0	R
665	<i>Anon.</i>					May 8	9.8	45 41.49	3	24 6.1	M
Apl. 26	9.5	13 36 42.66	...	144 39 14.4	R	27	10.0	45 41.44	...	24 5.5	R
666	<i>Taylor 6366.</i>					675	<i>X Virginis Var. 5.</i>				
Apl. 30	7.0	13 37 5.10	5	151 47 0.3	R	Apl. 25	9.0	13 47 23.99	...	79 16 49.5	R
667	<i>Lacaille 5659.</i>					May 13	8.0	47 23.81	4	16 47.5	M
Apl. 25	7.8	13 37 20.42	...	152 14 28.7	R	30	9.2	47 23.92	...	16 47.2	R
668	<i>O. A. S. 13100.</i>					June 1	9.2	47 23.83	5	16 46.3	M
June 4	8.0	13 37 23.78	...	116 58 37.0	M	5	9.0	47 23.95	4	16 47.8	M
669	<i>Anon.</i>					7	9.2	47 24.00	5	16 48.7	M
May 31	9.6	13 37 49.83	...	123 48 50.7	R	676	<i>8 Bootis γ</i>				
						Mar. 23	...	13 48 21.11	...	70 56 4.9	R
						Apl. 23	...	48 21.17	...	56 4.3	M
						May 9	...	48 21.10	...	56 4.6	M
						15	...	48 21.12	...	56 4.7	M
						31	...	48 21.04	...	56 5.1	R
						June 6	...	48 21.08	...	56 5.0	M
						10	...	48 21.09	...	56 5.7	M
						14	...	48 21.03	...	56 5.8	M
						15	...	48 21.00	...	56 4.6	M

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		<i>h. m. s.</i>		<i>° ' "</i>				<i>h. m. s.</i>		<i>° ' "</i>	
677		<i>Anon.</i>				685		<i>95 Virginis.</i>			
May 25	9.2	13 50 11.81	5	140 55 8.5	R	May 15	...	13 59 40.89	6	98 40 30.3	M
						16	...	59 40.82	...	40 30.9	R
678		<i>Anon.</i>				686		<i>Lalande 25896.</i>			
Apl. 19	9.5	13 52 36.56	...	129 2 18.0	R	Apl. 22	7.6	14 0 2.61	...	67 11 45.5	M
679		<i>Anon.</i>				687		<i>Anon.</i>			
May 30	9.7	13 53 18.96	5	135 41 44.5	R	May 27	10.2	14 0 34.41	...	150 52 17	R
680		<i>α Centauri.</i>				688		<i>Taylor 6585.</i>			
May 1	...	13 54 28.01	...	149 43 47.9	M	May 13	7.8	14 1 33.07	...	194 14 56.5	M
681		<i>93 Virginis γ</i>				689		<i>Anon.</i>			
Mar. 23	...	13 54 52.71	...	87 48 38.8	R	May 31	9.2	14 2 12.87	5	124 17 6.0	R
Apl. 18	...	54 52.76	...	48 38.8	R	690		<i>Anon.</i>			
May 7	...	54 52.70	...	48 38.0	M	May 25	8.0	14 5 14.73	...	129 21 11.0	R
8	...	54 52.69	...	48 38.1	M	30	8.0	5 14.96	...	21 10.2	R
11	...	54 52.69	...	48 38.3	M	691		<i>Lacaille 5844</i>			
24	...	54 52.73	...	48 37.1	R	Apl. 26	7.3	14 5 17.51	5	151 4 57.1	R
31	...	54 52.77	...	48 37.4	R	692		<i>98 Virginis α</i>			
June 4	...	54 52.73	...	48 30.0	M	Mar. 21	...	14 5 48.23	5	99 30 11.3	R
6	...	54 52.75	5	48 38.8	M	22	...	5 48.18	...	30 11.2	R
10	...	54 52.77	...	48 38.5	M	Apl. 18	...	5 48.07	...	30 11.6	R
14	...	54 52.75	...	48 38.7	M	19	...	5 48.19	...	30 11.4	R
15	...	54 52.65	...	48 38.3	M	693		<i>Anon.</i>			
682		<i>Lacaille 5794.</i>				May 11	8.5	14 6 30.16	...	135 2 10.1	M
Apl. 25	7.0	13 57 17.99	...	152 48 28.8	R	June 5	8.3	6 30.35	6	2 10.2	M
683		<i>Anon.</i>				7	8.6	6 30.30	...	2 10.5	M
May 25	8.7	13 58 25.16	...	129 30 57.3	R	694		<i>99 Virginis ι</i>			
30	8.0	58 25.22	5	20 57.3	R	May 13	...	14 9 2.25	6	96 21 52.4	M
684		<i>94 Virginis.</i>				16	...	9 2.67	4	21 53.1	R
Mar. 21	...	13 59 15.37	6	95 15 20.6	R						

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
695 16 Bootis α , Arcturus.										703 Anon.									
May 6	...	14	9	35.71	...	70	7	27.8	M	June 5	8.0	14	20	8.62	...	127	9	44.7	M
7	...		9	35.85	...		7	26.6	M	704 Lacaille 5962.									
8	...		9	35.66	...		7	26.9	M	Apl. 30	7.0	14	22	53.23	4	129	47	33.6	M
13	...		9	35.78	...		7	27.2	M	705 Anon.									
25	...		9	35.73	...		7	27.6	M	Apl. 30	9.0	14	23	7.11	5	129	46	47.5	M
27	...		9	35.77	...		7	27.0	M	706 25 Bootis ρ									
28	...		9	35.72	...		7	26.3	M	Apl. 22	...	14	26	5.79	...	59	2	37.4	M
30	...		9	35.77	...		7	26.5	M	May 6	...		26	5.83	...		2	37.7	M
June 1	...		9	35.77	...		7	27.2	M	8	...		26	5.81	...		2	37.9	M
4	...		9	35.67	...		7	27.9	M	13	...		26	5.79	...		2	37.7	M
6	...		9	35.66	5		7	28.2	M	15	...		26	5.80	...		2	35.6	M
10	...		9	35.76	...		7	27.3	M	23	...		26	5.80	...		2	36.9	M
14	...		9	35.75	...		7	28.0	M	30	...		26	5.77	...		2	37.3	M
15	...		9	35.74	...		7	27.2	M	June 14	...		26	5.87	...		2	37.9	M
696 Anon.										15	...		26	5.80	...		2	37.5	M
May 31	9.5	14	11	40.25	...	134	23	24.4	M	22	...		26	6.01	4		2	37.3	M
697 100 Virginis λ										24	...		26	5.85	...		2	33.0	M
Apl. 19	...	14	11	54.98	...	102	45	26.7	M	707 Anon.									
698 W. B. E. XIV. 192.										June 6	9.3	14	26	54.52	4	123	20	51.2	M
Apl. 18	7.5	14	12	1.26	...	103	47	33.0	M	708 Anon.									
699 Anon.										June 5	7.7	14	29	37.53	...	124	36	20.0	M
Apl. 26	9.5	14	12	42.24	...	136	50	42.5	M	7	7.0		29	37.64	6		56	20.3	M
700 Anon.										10	7.9		29	37.57	...		54	19.2	M
May 30	9.5	14	15	30.26	...	122	12	28.2	M	709 Lacaille 6027.									
701 Taylor 6740.										June 4	7.9	14	31	15.11	...	122	43	5.5	M
June 7	7.4	14	19	16.54	...	133	43	47.4	M	710 Taylor 6848.									
702 Anon.										June 1	7.3	14	33	0.34	5	136	42	7.2	M
May 31	8.8	14	19	44.67	...	124	30	10.5	M	711 α Lupi.									
June 1	8.6		19	44.66	...		39	12.0	M	May 16	...	14	33	5.82	...	136	43	54.9	M
										June 26	...		33	5.72	5		45	53.6	M

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		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
712	<i>Anon.</i>								
May 25	..	14	33	6 25	5	126	18	35 1	n
713	<i>Anon.</i>								
June 24	8.9	14	36	44 43	...	150	18	9 5	m
714	<i>5 Librac.</i>								
Mar. 22	...	14	38	38 00	...	104	53	49 7	n
23	...		38	37 96	...		53	49 6	n
715	<i>36 Bootis ε, Mirac.</i>								
Apl. 22	...	14	39	10 65	...	62	21	49 9	m
May 25	...		39	10 65	...		21	49 4	n
28	...		39	10 73	...		21	48 7	n
June 5	...		39	10 60	...		21	49 7	m
7	...		39	10 57	..		21	49 3	m
28	...		39	10 72	..		21	49 6	m
716	<i>Anon.</i>								
May 22	...	14	40	35 31	5	127	4	32 7	n
717	<i>Brisbane 5069.</i>								
June 10	8.0	14	41	35 46	...	131	17	31 3	m
718	<i>Lalande 27022.</i>								
June 25	7.8	14	43	22 05	6	78	57	10 4	m
719	<i>9 Librac α³</i>								
Mar. 22	...	14	43	31 51	...	103	29	15 5	n
May 16	...		43	31 43	...		29	15 9	n
27	...		43	31 37	...		29	14 9	n
30	...		43	31 47	...		29	14 1	n
June 5	...		43	31 42	5		29	14 8	m
22	...		43	31 39	...		29	14 7	m
720	<i>Anon.</i>								
June 24	9.5	14	47	41 57	4	150	41	43 7	m
721	<i>Anon.</i>								
June 6	8.9	14	50	34 91	6	130	32	55 5	m
722	<i>O. A. S. 14112.</i>								
June 4	7.9	14	51	3 30	...	109	11	27 5	m
28	8.3		51	3 33	...		11	27 8	m
723	<i>7 Ursae Minoris β Var. 1, Kochab.</i>								
June 27	...	14	51	7 35	...	15	18	2 8	m
724	<i>Radeliffe 3306.</i>								
May 30	7.5	14	56	6 45	5	42	11	45 3	n
725	<i>Taylor 7936.</i>								
May 29	...	14	58	5 38	...	62	23	49 4	n
726	<i>43 Bootis ψ</i>								
May 24	...	14	58	44 79	...	62	31	55 3	n
June 7	...		58	44 79	...		31	55 5	m
July 2	...		58	44 71	...		31	55 5	n
727	<i>21 Librac ν¹</i>								
May 16	...	14	59	13 62	...	105	41	19 6	n
728	<i>W. B. E. XV. 7.</i>								
June 14	8.5	15	2	30 34	...	97	21	42 2	m
729	<i>Taylor 7079.</i>								
June 10	6.6	15	3	30 99	5	123	7	59 1	m
730	<i>W. B. E. XV. 32.</i>								
June 24	8.2	15	3	36 41	6	97	2	18 4	m

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Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires	Mean Polar Distance 1867.			Observer.
		A.	m.	s.		°	'	"	
749 <i>24 Serpentis α</i>									
June 7	...	15	37	43.02	...	63	0	14.3	m
22	...		37	43.03	...		9	14.4	m
24	...		37	43.00	...		9	14.1	m
27	...		37	43.07	...		9	13.6	m
28	...		37	43.03	...		9	13.9	m
July 2	...		37	43.10	4		9	14.0	n
4	...		37	43.01	...		9	13.4	n
5	...		37	43.08	5		9	13.0	n
11	...		37	42.97	...		9	13.0	n
12	...		37	43.00	...		9	13.4	n
750 <i>O. A. S. 14874.</i>									
May 27	8.0	15	30	38.20	5	104	40	12.1	n
751 <i>Lalande 28787.</i>									
July 10	8.6	15	42	15.43	...	92	40	28.0	n
752 <i>Anon.</i>									
May 24	9.3	15	42	19.88	...	101	24	50.6	n
753 <i>Anon.</i>									
May 29	10.5	15	42	20.97	3	61	47	14.2	n
754 <i>O. A. S. 14934.</i>									
July 5	9.7	15	42	50.76	...	107	52	59.2	n
755 <i>Anon.</i>									
May 24	9.0	15	41	7.97	5	104	22	9.7	n
756 <i>W. B. E. XV. 833.</i>									
June 5	8.0	15	44	9.00	5	104	27	84.5	m
757 <i>36 Serpentis β</i>									
July 11	...	15	44	30.20	...	92	41	9.3	n
758 <i>46 Librae θ</i>									
May 18	...	15	46	15.24	...	106	20	13.6	n
759 <i>O. A. S. 14996.</i>									
May 27	8.9	15	46	41.14	...	105	16	1.1	n
760 <i>R. P. L. 115—s.p.</i>									
Jan. 7	...	15	48	8.91	3	4	41	27.1	m
Dec. 19	...		48	9.01	3		41	31.5	n
761 <i>O. A. S. 15053.</i>									
June 28	8.0	15	49	12.33	...	105	26	30.7	m
July 6	8.0		49	12.32	5		26	28.6	n
762 <i>W. B. E. 923.</i>									
July 5	9.8	15	49	28.16	...	101	56	37.5	n
763 <i>O. A. S. 15146.</i>									
May 24	9.5	15	54	57.22	...	107	29	20.3	n
764 <i>O. A. S. 15148.</i>									
June 24	8.9	15	54	59.67	...	107	47	53.6	m
765 <i>W. B. E. XV. 1044.</i>									
May 27	7.7	15	55	50.52	...	95	27	42.1	n
July 6	7.6		55	59.40	...		27	44.6	n
766 <i>8 Scorpii β¹</i>									
June 5	...	15	57	42.35	5	109	36	20.8	m
27	...		57	42.29	5		36	19.6	m
July 2	...		57	42.37	...		36	20.9	n
4	...		57	42.43	...		36	19.7	n
10	...		57	42.38	...		36	19.4	n
11	...		57	42.40	4		36	21.5	n
12	...		57	42.42	...		36	19.5	n
767 <i>Lalande 29306.</i>									
June 28	8.0	15	50	36.53	...	107	31	29.4	m

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
768 14 Scorpii ♀																			
June 14	...	16	4	16.02	...	109	6	47.4	M	June 23	7.9	16	17	25.91	...	113	9	28	M
15	...		4	16.05	...		6	46.1	M										
July 11	...		4	15.96	5		6	41.3	R										
12	...		4	16.06	5		6	45.1	R										
769 1 Ophiuchi δ																			
June 24	...	16	7	22.61	...	93	20	59.9	M										
July 11	...		7	22.60	...		20	59.1	R										
770 Lalande 29610.																			
July 10	...	16	8	20.45	...	105	32	59.9	M										
771 O. A. S. 15470.																			
May 30	8.0	16	9	19.13	5	112	35	20.5	R										
772 R Scorpii Var. 1.																			
July 5	9.5	16	9	43.57	4	112	36	50.0	R										
6	9.5		9	43.61	...		36	48.6	R										
773 S Scorpii Var. 2.																			
June 1	9.9	16	9	44.81	6	112	33	42.2	M										
4	10.0		9	44.74	6		33	45.2	M										
5	9.9		9	44.97	5		33	45.3	M										
7	10.0		9	44.93	4		33	43.1	M										
774 Anon.																			
July 5	8.7	16	9	53.80	3	112	31	4.3	M										
775 Anon.																			
July 4	8.0	16	14	27.36	...	146	11	32.2	M										
776 4 Ophiuchi ψ																			
June 14	—	16	16	19.50	5	109	43	25.4	M										
15	—		16	19.22	...		43	24.9	M										
777 O. A. S. 15613.																			
June 23	7.9	16	17	25.91	...	113	9	28	M										
778 21 Scorpii α, Antares.																			
July 10	...	16	21	15.38	...	116	8	1.4	M										
779 40 Herculis ζ																			
July 5	...	16	36	16.26	...	53	9	16.7	R										
6	...		36	16.29	...		9	18.2	R										
10	...		36	16.30	...		9	17.2	R										
780 Lacaille 6984.																			
July 4	8.7	16	30	51.74	5	120	57	45.5	M										
781 Anon.																			
July 5	9.3	16	44	47.50	...	130	18	30.6	R										
782 Anon.																			
July 6	10.3	16	45	1.63	4	75	17	3.9	M										
783 Taylor 7815.																			
July 5	7.5	16	45	42.30	4	130	18	13.3	M										
784 S Herculis Var. 3.																			
Aug. 6	6.9	16	45	50.51	4	74	49	57.9	M										
785 49 Herculis.																			
July 4	7.0	16	46	1.33	5	74	43	3.2	M										
786 Taylor 7832.																			
July 5	8.0	16	47	41.26	5	130	17	49.5	M										
787 Taylor 7842.																			
July 13	—	16	48	21.27	5	105	35	29.0	M										

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788	<i>Anon.</i>					798	<i>Anon.</i>				
July 23	...	16 40 5.74	3	125 31 35.6	R	July 31	9.0	17 6 19.26	...	180 54 14.7	R
789	<i>27 Ophiuchi α</i>					799	<i>64 Herculis α Var. 1.</i>				
June 1	...	16 51 22.36	6	80 24 58.4	M	June 1	...	17 8 25.03	4	75 27 22.1	M
29	...	51 22.29	5	24 57.7	M	July 23	...	8 34.91	...	27 21.0	R
July 20	...	51 22.41	...	24 56.8	R	30	...	8 34.94	...	27 22.2	R
790	<i>29 Ophiuchi.</i>					800	<i>Taylor 8017.</i>				
Apr. 22	...	16 54 4.56	3	108 41 13.9	M	June 4	6.9	17 13 32.80	4	114 46 8.3	M
791	<i>O. A. S. 16233.</i>					801	<i>42 Ophiuchi θ</i>				
July 30	8.0	16 54 9.45	4	110 23 50.8	R	June 17	...	17 13 50.50	...	114 51 50.1	M
792	<i>Anon.</i>					July 6	...	13 50.63	...	51 49.9	R
July 23	9.3	16 55 27.43	6	109 56 49.5	R	23	...	13 50.56	...	51 49.2	R
793	<i>O. A. S. 16288.</i>					30	...	13 50.54	...	51 49.4	R
Aug. 10	7.7	16 56 38.63	4	119 50 24.5	M	802	<i>Anon.</i>				
794	<i>22 Ursae Minoris α—s.p.</i>					July 23	9.0	17 21 16.76	...	130 43 44.7	R
Jan. 14	...	16 50 42.79	3	7 45 0.0	R	Aug. 6	8.0	21 16.65	5	43 46.0	M
Feb. 11	...	59 42.02	3	44 59.0	M	803	<i>Anon.</i>				
795	<i>R Ophiuchi Var. 2.</i>					July 30	9.3	17 21 25.74	...	130 45 50.2	R
June 4	7.8	17 0 7.81	...	105 54 45.5	M	804	<i>Anon.</i>				
7	7.9	0 7.82	...	54 46.6	M	July 31	9.7	17 27 14.81	...	150 35 49.1	R
10	8.0	0 7.93	...	54 47.1	M	805	<i>23 Draconis β</i>				
796	<i>35 Ophiuchi γ</i>					Aug. 8	...	17 27 25.61	...	37 35 57.1	M
June 15	...	17 2 44.83	...	105 33 26.6	M	806	<i>55 Ophiuchi α</i>				
July 12	...	2 44.07	...	33 26.3	M	June 5	...	17 28 45.00	...	77 20 28.1	M
797	<i>Anon.</i>					July 5	...	28 45.66	...	30 26.8	R
Aug. 10	8.0	17 8 56.72	...	130 50 30.0	M	6	...	28 45.59	...	30 28.6	R
						20	...	28 45.62	...	30 28.2	R
						23	...	28 45.55	...	30 27.7	R
						30	...	28 45.50	...	30 28.4	R
						Aug. 7	...	28 45.52	...	30 28.6	M
						23	...	28 45.67	...	30 27.5	R

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807		<i>Taylor 8141.</i>				818		<i>Radcliffe 3765.</i>			
Apl. 22	6.0	17 30 45.50	...	111 49 52.0	M	July 31	8.3	17 43 41.47	4	17 32 1.3	N
808		<i>Anon.</i>				819		<i>Anon.</i>			
July 31	9.8	17 34 46.39	4	128 35 23.6	R	July 8	8.3	17 45 13.70	5	128 35 23.4	N
Aug 21	10.0	34 46.36	3	35 29.4	R	10		45 13.85	5	35 21.5	N
809		<i>Anon.</i>				23	8.9	45 13.71	4	35 22.5	N
July 23	9.9	17 34 46.51	5	126 15 7.4	N	820		<i>Lacaille 7499.</i>			
810		<i>Anon.</i>				Aug. 7	7.2	17 48 27.83	4	129 4 41.3	M
July 6	9.2	17 36 18.98		150 36 11.8	N	8	7.1	48 27.64	...	4 44.4	M
811		<i>58 Ophiuchi.</i>				10	7.0	48 27.62	...	4 44.6	M
Apl. 22	...	17 36 27.75	2	111 36 55.7	M	821		<i>Taylor 8288.</i>			
812		<i>Anon.</i>				June 17	6.0	17 48 40.02	...	105 47 10.7	M
July 6	9.4	17 36 39.44	5	150 37 13.4	R	822		<i>Lacaille 7504.</i>			
813		<i>Anon.</i>				Aug. 6	6.9	17 48 44.46	5	129 6 53.1	M
July 30	9.0	17 37 52.05	..	126 29 24.4	N	823		<i>4 Sagittarii b</i>			
814		<i>Anon.</i>				Aug. 21		17 51 40.31	...	113 17 44.9	N
July 8	8.0	17 39 45.53		127 21 43.8	N	824		<i>Anon.</i>			
815		<i>Anon.</i>				July 23	9.0	17 59 36.81	..	150 36 10.6	N
July 23	8.0	17 39 56.07	4	127 14 41.1	N	31	9.0	59 36.73	5	36 9.7	N
816		<i>Anon.</i>				825		<i>13 Sagittarii μ^1</i>			
Aug 7	8.3	17 40 7.93	-	126 28 26.9	M	June 17		18 5 48.49		111 5 27.4	M
817		<i>86 Herculis μ</i>				28	...	5 48.51		5 26.9	M
June 17	...	17 41 15.21	...	62 11 59.2	M	July 8		5 48.51		5 27.3	N
25	...	41 15.27	4	11 59.6	M	Aug. 3	...	5 48.32		5 25.9	N
July 12	...	41 15.15	...	11 58.9	N	6	...	5 48.45		5 26.9	M
20	...	41 15.21	5	11 59.5	N	7	...	5 48.54		5 27.1	M
Aug. 6	...	41 15.19		11 59.9	M	8	...	5 48.35	...	5 26.6	M
21	...	41 15.20		11 59.2	N	10	...	5 48.49		5 27.7	M
						14	...	5 48.47		5 26.4	M

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires.	Mean Polar Distance 1867. ° ' "	Observer.
843 39 Sagittarii ϵ						851 30 Aquilae δ					
June 17	...	18 56 42.66	...	111 56 0.9	M	June 18	..	19 18 47.43	...	57 8 53.4	M
844 17 Aquilae ζ						19	...	19 47.44	...	8 52.7	M
June 10	...	18 59 17.58	...	76 19 56.3	M	July 18	...	18 47.47	...	8 53.9	M
July 8	...	59 17.72	...	19 56.4	M	25	..	18 47.42	...	8 54.2	M
18	...	59 17.77	...	19 55.7	M	Aug. 24	...	18 47.42	...	8 52.6	M
23	...	59 17.71	..	19 55.4	M	27	...	18 47.40	...	8 52.5	M
25	...	59 17.72	...	19 56.5	M	Sep. 6	...	18 47.41	...	8 52.4	M
Aug. 3	...	59 17.65	...	19 57.3	M	852 Anon.					
8	..	59 17.69	...	19 56.5	M	Aug. 28	9.3	19 19 21.58	...	125 38 7.2	M
10	...	59 17.65	...	19 56.5	M	853 Anon.					
20	...	59 17.72	...	19 55.3	M	Aug. 28	9.0	19 25 22.14	...	127 43 28.8	M
21	...	59 17.72	...	19 55.8	M	854 52 Sagittarii λ^1					
24	...	59 17.77	...	19 55.2	M	Aug. 21	...	19 28 36.57	...	115 10 28.4	M
Sep. 10	...	59 17.85	...	19 55.2	M	27	...	28 36.53	...	10 27.6	M
845 41 Sagittarii π						855 Anon.					
June 17	...	19 1 51.16	...	111 13 56.5	M	Aug. 28	8.0	19 31 11.37	...	127 42 5.7	M
846 Anon.						856 Anon.					
Aug. 27	9.3	19 5 21.17	...	126 38 0.1	M	Aug. 28	8.0	19 34 2.07	...	127 41 53.3	M
28	9.3	5 21.07	...	28 0.7	M	857 55 Sagittarii ϵ^2					
847 Anon.						June 19	..	19 34 54.45	...	166 25 59.4	M
July 25	...	19 7 18.00	4	129 47 25.3	M	858 30 Aquilae γ					
848 Anon.						July 27	..	19 30 56.00	...	79 42 31.2	M
July 25	...	19 8 30.65	4	129 48 45.5	M	31	...	30 56.11	...	42 31.3	M
849 Anon.						Aug. 6	...	30 56.13	...	42 31.7	M
Aug. 28	8.3	19 10 19.08	5	146 12 40.1	M	28	...	30 56.04	...	42 32.2	M
850 25 Aquilae ω						Sep. 6	...	30 56.07	...	42 31.8	M
June 19	...	19 11 34.32	...	78 38 32.9	M	10	...	30 56.01	...	42 31.0	M
July 18	...	11 34.30	...	38 32.7	M	859 O. A. S. 19906.					
Aug. 10	...	11 34.31	...	38 31.4	M	July 18	9.3	19 42 27.58	...	108 11 37.3	M
20	...	11 34.30	...	38 31.5	M						
24	...	11 34.28	...	38 31.3	M						
Sep. 11	...	11 34.47	6	38 32.1	M						

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Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires	Mean Polar Distance 1867.			Observer.
A.	m.	s.							
860 <i>53 Aquilae α, Altair.</i>									
July 27	...	19	41	17.51	...	81	28	49.5	R
31	...		41	17.53	...		28	50.8	R
Aug. 26	...		41	17.49	5		28	49.9	R
28	...		41	17.50	...		28	50.2	R
861 <i>55 Aquilae η Var. 1.</i>									
Sep. 10	...	19	45	41.71	5	89	20	1.2	M
862 <i>60 Aquilae β</i>									
June 20	...	19	48	46.64	...	83	55	24.0	M
July 19	...		48	46.74	...		55	24.0	R
27	...		48	46.76	5		55	24.0	R
31	...		48	46.73	...		55	23.6	R
Aug. 6	...		48	46.67	...		55	24.5	M
27	...		48	46.70	...		55	23.9	R
Sep. 6	...		48	46.70	...		55	23.4	M
863 <i>λ Ursae Minoris.</i>									
Aug. 27	...	19	57	13.06	1	1	5	23.8	R
Sep. 6	...		57	13.88	1		5	25.0	M
<i>λ Ursae Minoris—s.p.</i>									
Feb. 27	...	19	57	13.52	7	1	5	25.1	R
Mar. 6	...		57	13.03	2		5	24.5	M
7	...		57	12.90	3		5	24.7	M
15	...		57	13.91	1		5	24.9	M
864 <i>Anon.</i>									
Aug. 23	9.3	19	59	27.77	5	129	10	55.1	R
865 <i>S Cygni Var. 4.</i>									
July 19	9.5	20	2	43.30	...	32	23	1.4	R
866 <i>S Aquilae Var. 4.</i>									
Aug. 28	...	20	5	31.03	...	74	47	53.3	R
867 <i>Lacaille 8370.</i>									
Oct. 1	7.6	20	7	13.93	...	152	13	42.3	M
868 <i>O. A. S. 20356.</i>									
Aug. 16	9.0	20	8	31.97	...	110	25	36.6	R
869 <i>6 Capricorni α²</i>									
Aug. 7	...	20	10	40.31	...	102	57	18.5	M
14	...		10	40.31	...		57	18.0	M
28	...		10	40.30	5		57	18.1	R
Sep. 10	...		10	40.26	...		57	17.2	M
11	...		10	40.30	...		57	17.8	M
870 <i>Anon.</i>									
Oct. 2	7.6	20	11	25.51	5	106	16	10.7	M
871 <i>Lalande 39045.</i>									
Oct. 5	6.6	20	12	11.36	5	60	2	39.0	M
872 <i>34 Cygni Var. 1.</i>									
Sep. 6	6.0	20	12	53.06	6	52	22	45.4	M
873 <i>9 Capricorni β</i>									
June 19	...	20	13	32.09	...	105	11	56.3	M
20	...		13	32.03	...		11	56.6	M
874 <i>Lalande 39125.</i>									
July 19	8.0	20	15	41.33	5	106	12	48.0	R
875 <i>Anon.</i>									
Oct. 3	9.0	20	15	54.03	5	106	16	51.2	M
876 <i>Anon.</i>									
Aug. 27	9.8	20	17	1.92	5	121	11	11.7	R

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Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
877 11 Capricorni ρ																			
June 18	...	20	21	16.20	5	108	15	4.9	M	Aug. 14	7.0	20	32	6.35	...	105	26'	27.3	M
19	...		21	16.22	...		15	4.3	M	Sep. 6	7.1		32	6.30	...		26	26.3	M
20	...		21	16.19	...		15	3.7	M										
Aug. 15	...		21	16.14	5		15	3.9	M										
20	...		21	16.35	4		15	6.5	R										
28	...		21	16.24	...		15	4.8	R										
Sep. 10	...		21	16.05	...		15	4.4	M										
Oct. 1	...		21	16.20	4		15	3.2	M										
4	...		21	16.24	...		15	4.5	M										
878 Anon.																			
Oct. 2	8.6	20	23	10.14	6	125	57	53.8	M	Sep. 20	...	20	36	46.48	4	148	22	57.0	R
5	8.6		23	10.12	5		57	52.4	M	23	8.5		36	46.42	...		22	57.6	R
879 Anon.																			
July 19	8.7	20	23	27.03	...	124	56	27.3	R										
880 Lalande 39525.																			
Oct. 8	7.0	20	25	5.04	6	86	1	54.2	M										
881 Anon.																			
July 18	...	20	26	32.20	5	121	12	4.1	R										
882 Anon.																			
Aug. 16	9.0	20	27	34.47	...	121	5	21.7	R										
883 Anon.																			
Aug. 16	9.5	20	28	54.11	5	121	5	54.5	R										
884 Anon.																			
Sep. 23	9.0	20	29	59.00	...	143	51	26.6	R										
885 Anon.																			
July 19	9.3	20	31	42.00	...	124	40	12.9	R										
886 Taylor 9518.																			
Aug. 14	7.0	20	32	6.35	...	105	26'	27.3	M										
Sep. 6	7.1		32	6.30	...		26	26.3	M										
887 Anon.																			
Sep. 26	9.2	20	34	52.15	...	128	13	8.2	R										
Oct. 2	8.7		34	51.55	...		13	8.3	M										
888 Anon.																			
Oct. 3	8.6	20	35	58.17	...	124	59	44.1	M										
889 Anon.																			
Sep. 20	...	20	36	46.48	4	148	22	57.0	R										
23	8.5		36	46.42	...		22	57.6	R										
890 50 Cygni α , Deneb.																			
June 18	...	20	36	53.84	...	45	11	37.9	M										
Aug. 15	...		36	53.80	...		11	37.8	M										
Sep. 11	...		36	53.71	...		11	39.6	M										
19	...		36	53.83	...		11	39.7	R										
891 Anon.																			
Sep. 26	10.4	20	39	23.25	4	74	4	49.4	R										
892 O. A. S. 20841.																			
Oct. 5	7.9	20	39	23.70	...	116	53	55.8	M										
7	7.9		39	23.80	...		53	54.9	M										
8	7.9		39	23.62	...		53	54.9	M										
893 2 Aquarii ϵ																			
Aug. 24	...	20	40	25.45	5	99	54	50.5	R										
894 Anon.																			
Sep. 23	9.3	20	43	48.16	...	124	57	31.1	R										
895 6 Aquarii μ																			
Sep. 19	...	20	45	22.54	...	99	28	50.9	R										

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Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wire	Mean Polar Distance 1867.			Observer.
		h.	m.	s.		°	'	"	
896 <i>32 Vulpeculae.</i>									
Aug. 15	...	62	48	53.40	...	62	26	48.2	M
16	...	48	53.51	...		26	49.3	M	
Sep. 19	...	48	53.48	5		26	49.1	R	
20	...	48	53.45	...		26	49.1	R	
23	...	48	53.47	5		26	51.0	R	
24	...	48	53.46	...		26	48.9	R	
26	...	48	53.47	5		26	49.9	R	
30	...	48	53.40	5		26	49.6	R	
Oct. 10	...	48	53.50	...		26	48.6	M	
897 <i>Anon.</i>									
Oct. 1	9.0	20	50	55.09	5	145	15	10.8	M
898 <i>Lacaille 8630.</i>									
Sep. 27	7.0	20	51	35.61	5	126	38	31.4	R
899 <i>Anon.</i>									
Sep. 26	9.5	20	57	56.15	...	120	24	36.3	R
27	9.7	57	56.26	...		24	38.1	R	
900 <i>2 Microscopii.</i>									
Sep. 24	...	20	57	59.14	...	120	39	3.7	R
Oct. 7	6.8	57	59.01	...		39	4.8	M	
9	6.7	57	58.98	...		39	4.0	M	
901 <i>23 Capricorni 0</i>									
Oct. 8	...	20	58	28.27	...	107	45	34.9	M
902 <i>Anon.</i>									
Aug. 16	9.7	20	59	53.99	6	129	0	47.7	R
21	..	59	53.78	4		0	46.6	R	
903 <i>Anon.</i>									
Oct. 9	9.0	21	0	44.11	4	120	4	3.2	M
10	9.9	0	44.01	...		4	3.5	M	
904 <i>61 Cygni—1st</i>									
Sep. 19	...	21	0	56.22	5	51	54	12.2	R
23	...	0	56.05	...		54	13.5	R	
30	...	0	56.12	5		54	12.5	R	
905 <i>61 Cygni—2nd</i>									
Sep. 20	...	21	0	57.40	...	51	54	18.6	R
906 <i>Anon.</i>									
Oct. 2	9.0	21	1	22.14	...	119	59	42.8	M
3	9.2	1	22.35	...		59	41.0	M	
907 <i>13 Aquarii v</i>									
July 18	..	21	2	20.68	...	101	54	30.8	R
Oct. 8	...	2	20.85	5		54	30.3	M	
908 <i>64 Cygni 3</i>									
June 20	...	21	7	16.51	...	60	19	3.1	M
July 19	...	7	16.44	...		19	4.1	R	
Sep. 19	..	7	16.51	...		19	3.9	R	
20	...	7	16.47	...		19	2.9	R	
23	...	7	16.46	...		19	4.0	R	
24	...	7	16.56	...		19	2.7	R	
26	...	7	16.49	...		19	2.4	R	
Oct. 1	...	7	16.53	...		19	2.5	M	
909 <i>Anon.</i>									
Aug. 16	9.3	21	13	59.42	...	128	59	31.2	R
Sep. 26	9.5	13	59.57	...		59	35.6	R	
910 <i>Anon.</i>									
Aug. 27	7.8	21	14	30.35	5	125	28	57.7	R
Sep. 20	...	14	30.73	...		28	38.6	R	
911 <i>32 Capricorni 1</i>									
June 20	...	21	14	49.08	3	107	23	57.4	M
Sep. 10	..	14	50.12	...		23	57.6	M	
11	...	14	50.36	4		23	57.6	M	

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930		Anon.							
Oct. 2	8.8	21	43	4 10	4	132	30	37.8	M
931		Anon.							
July 18	7.7	21	45	13 05	...	127	31	7.3	M
Sep. 6	7.3	45	12 09		6	31	6.5	M	M
932		51 Capricorni "							
Aug. 14	—	21	46	2 46	...	104	10	35.7	M
Oct. 8	—	46	2 50	...		10	36.3	M	M
9	—	46	2 62	...		10	35.5	M	M
933		16 Pegasi.							
Aug. 16	—	21	47	0 53	...	64	41	58.5	M
26	...	47	0 53	5		41	58.9	M	M
Sep. 26	...	47	0 61	...		41	59.9	M	M
27	...	47	0 65	5		42	0.2	M	M
934		Anon.							
Sep. 24	9.5	21	50	52 04	...	127	28	35.8	M
Oct. 7	9.3	50	52 33	5		28	35.3	M	M
935		Anon.							
July 18	9.0	21	52	56 64	...	127	30	47.0	M
Aug 27	9.2	52	56 56			30	46.2	M	M
Sep. 24	9.2	52	56 54			30	47.8	M	M
936		Anon.							
Sep. 26	9.0	31	52	58 44		120	31	50.6	M
27	9.0	52	58 52			31	49.5	M	M
Oct. 3	8.3	52	58 52			31	50.9	M	M
937		" Indi.							
Oct. 1	5.8	21	53	10 18	6	147	19	50.7	M
10	5.9	53	10 06	...		19	51.1	M	M
938		Lacaille 9006.							
Sep. 27	7.5	31	54	20 33	...	120	31	1.1	M
Oct. 5	7.1	54	20 34			31	2.7	M	M

Number and Date.	Magnitude	Mean Right Ascension 1867.			No of Wires	Mean Polar Distance 1867.			Observer.
939		34 Aquarii "							
Sep. 13	...	21	58	56 06	5	90	57	53.9	M
26	...	58	57 14			57	54.0	M	M
Oct. 2	...	58	57 07	...		57	54.8	M	M
8	...	58	57 01	...		57	54.1	M	M
940		33 Aquarii "							
July 18	—	21	59	15 03	...	104	30	50.1	M
19	...	59	15 01	...		30	50.3	M	M
941		W. B. E. XXI. 1413.							
Sep. 24	9.0	22	1	53 24		78	8	55.6	M
942		Anon.							
Sep. 27	9.7	22	3	21 07	...	120	4	27.9	M
943		43 Aquarii "							
July 18	...	22	9	43 77	...	95	26	41.0	M
Oct. 2	...	9	43 74	...		26	40.9	M	M
3	...	9	43 66	...		26	40.7	M	M
4	...	9	43 73	...		26	40.7	M	M
5	...	9	43 84	...		26	39.8	M	M
7	...	9	43 78	...		26	40.6	M	M
10	...	9	43 70	...		26	41.1	M	M
19	...	9	43 73	...		26	41.3	M	M
944		Anon.							
Sep 26	8.2	22	12	14 21	...	120	25	49.2	M
945		Anon.							
Sep. 27	7.5	22	12	30 04	5	150	36	55.8	M
946		Anon.							
Sep. 26	9.0	22	14	54 43	...	120	25	26.3	M
Oct 23	9.2	14	54 70	5		25	27.0	M	M
947		Anon							
Oct. 5	9.2	22	19	2 14	6	160	44	63.8	M
7	9.2	19	2 13	...		44	53.5	M	M

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948		<i>R. P. L. 150.</i>				955		<i>63 Aquarii κ</i>			
Sep. 21	...	22 23 27.55	3	4 33 46.0	n	Aug. 15	...	22 30 51.88	...	91 54 48.4	n
Oct. 1	...	23 27.44	3	83 45.9	n	16	...	30 52.02	...	54 49.2	n
8	...	23 27.56	2	33 47.0	n						
		<i>R. P. L. 150.—s.p.</i>				956		<i>Anon.</i>			
Mar. 1	...	22 23 28.13	2	4 33 45.3	n	Oct. 7	8.9	22 34 24.37	4	155 30 24.8	n
12	...	23 27.76	2	33 48.6	n						
Apl. 1	...	23 27.42	3	33 48.3	n						
10	...	23 27.04	1	33 48.8	n						
15	...	23 27.18	3	33 46.3	n						
949		<i>57 Aquarii α</i>				957		<i>42 Pegasi 3</i>			
Aug. 15	...	22 23 36.23	...	101 21 27.8	n	Oct. 1	...	22 34 49.64	...	79 51 48.8	n
16	...	23 36.51	...	21 26.4	n	2	...	34 49.59	...	51 43.5	n
Oct. 9	...	23 36.24	...	21 27.9	n	3	...	34 49.68	5	51 43.6	n
10	...	23 36.29	...	21 28.9	n	5	...	34 49.70	...	51 43.3	n
						9	...	34 49.63	...	51 44.1	n
950		<i>Anon.</i>				18	...	34 49.70	...	51 44.6	n
Oct. 22	8.2	22 28 52.92	5	130 39 34.2	n	19	...	34 49.74	...	51 44.2	n
951		<i>27 Cephei δ Var. 1.</i>				21	...	34 49.70	...	51 43.5	n
Oct. 2	...	22 24 14.17	5	32 15 54.7	n	22	...	34 49.73	...	51 43.4	n
3	...	24 14.25	...	15 54.8	n	Nov. 4	...	34 49.74	...	51 43.5	n
952		<i>Anon.</i>				5	...	34 49.78	...	51 44.0	n
Oct. 19	9.3	22 34 47.05	5	129 43 46.9	n						
953		<i>62 Aquarii η</i>				958		<i>67 Aquarii.</i>			
Oct. 2	...	22 28 31.27	4	90 48 8.8	n	July 19	...	22 36 17.33	...	97 30 32.0	n
9	...	28 31.17	4	48 8.5	n						
19	...	28 31.17	...	48 7.8	n	959		<i>Anon.</i>			
Nov. 1	...	28 31.30	...	48 8.2	n	Oct. 8	9.2	22 36 40.89	5	130 36 2.3	n
954		<i>R. P. L. 153.</i>				960		<i>Anon.</i>			
Nov. 2	...	22 29 8.81	1	7 30 36.7	n	Oct. 21	9.5	22 43 37.36	...	130 35 42.7	n
						961		<i>Anon.</i>			
						Nov. 5	8.0	22 44 52.01	...	136 40 20.0	n
						962		<i>73 Aquarii λ</i>			
						July 19	...	22 43 40.11	...	98 17 13.2	n
						Oct. 9	...	48 40.45	...	17 12.2	n
						10	...	48 40.35	...	17 12.2	n

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires	Mean Polar Distance 1867. ° ' "	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1867. h. m. s.	No. of Wires	Mean Polar Distance 1867. ° ' "	Observer.
963	<i>Anon.</i>					973	<i>54 Pegasi α, Markab.</i>				
Oct. 22	9.5	22 47 38.83	5	128 56 54.4	n	Oct. 7	...	22 58 8.13	5	75 30 36.6	n
						9	...	58 8.20		30 36.3	n
						22		58 8.22		30 36.8	n
						24		58 8.13	...	30 35.4	n
						25		58 8.18	...	30 35.8	n
964	<i>Anon.</i>					974	<i>R Pegasi Var. 2.</i>				
Sep. 24	9.5	22 48 13.84	5	132 34 14.8	n	Oct. 29	8.5	22 59 58.20	5	80 10 28.2	n
Oct. 3	9.0	48 15.64	5	34 14.5	n	975	<i>Anon.</i>				
965	<i>O. A. S. 22500.</i>					Oct. 30	9.2	23 3 16.80	...	127 29 6.2	n
Oct. 5	8.0	22 49 10.43	4	119 18 54.4	n	976	<i>90 Aquarii φ</i>				
7	8.5	49 10.39	6	18 56.6	n	Aug. 16		23 7 26.02	...	96 45 56.7	n
966	<i>S Aquarii Var. 2.</i>					Sep. 13	..	7 26.13	2	45 56.9	n
Sep. 23	10.2	22 49 58.93	5	111 3 9.3	n	977	<i>Anon.</i>				
967	<i>2 Piscis Australis α, Fomalhaut.</i>					Oct. 21	8.7	23 7 36.78	..	129 34 6.3	n
Oct. 4	...	23 50 17.54	...	120 19 36.4	n	29	8.0	7 36.94	5	54 6.1	n
13	...	50 17.65	5	19 34.5	n	Nov. 2	7.9	7 35.85	...	54 6.6	n
Nov. 6	...	50 17.82	...	19 36.4	n	978	<i>Anon.</i>				
8	...	50 17.56	5	19 35.7	n	Oct. 2	9.0	23 10 0.79	5	151 43 30.5	n
968	<i>Anon.</i>					8	8.0	10 0.91	6	43 30.6	n
Sep. 20	8.0	22 53 34.63	...	128 4 20.4	n	979	<i>6 Piscium γ</i>				
Oct. 8	7.9	53 34.63	6	4 21.2	n	Oct. 10	...	23 10 16.31	...	87 26 29.5	n
969	<i>Anon.</i>					19	...	10 16.17	...	26 29.9	n
Sep. 26	...	22 54 49.79	3	101 42 8.6	n	22	...	10 16.15	...	26 30.3	n
970	<i>53 Pegasi α Var. 1, Scheat.</i>					24	...	10 16.26	...	26 30.1	n
Nov. 11	8.9	23 57 19.89	6	62 39 17.4	n	25	...	10 16.19	...	26 30.6	n
971	<i>Anon.</i>					26	...	10 16.20	...	26 30.0	n
Oct. 31	9.5	23 57 20.82	...	57 10 42.7	n	28	...	10 16.21	...	26 30.6	n
972	<i>Anon.</i>					31	...	10 16.25	...	26 30.1	n
Oct. 21	9.0	23 57 22.47	4	149 37 3.3	n	Nov. 1	...	10 16.23	...	26 30.1	n
						4	...	10 16.18	...	26 30.6	n

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension 1867.			No. of Wires.	Mean Polar Distance 1867.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
980 93 Aquarii ψ^3									
Nov. 6	...	23	10	59.37	...	99	54	30.1	M
981 Anon.									
Sep. 26	9.0	23	11	44.27	5	131	7	10.7	R
Oct. 30	9.3		11	44.23	...		7	12.9	R
982 Anon.									
Oct. 19	9.5	23	17	4.35	...	127	26	29.6	R
983 Anon.									
Sep. 20	9.7	23	18	24.63	...	131	7	29.3	R
Oct. 29	9.7		18	24.78	5		7	27.9	R
984 Anon.									
Sep. 20	8.8	23	18	39.64	...	127	16	46.9	M
Oct. 21	8.3		18	39.78	5		16	46.5	R
Nov. 2	9.1		18	39.61	...		16	43.3	M
985 8 Piscium κ									
Aug. 16	...	23	20	6.08	5	89	28	19.6	R
Oct. 10	...		20	6.86	5		28	21.2	M
24	...		20	6.87	...		28	20.6	R
25	...		20	6.90	...		28	20.7	R
26	...		20	6.84	...		28	20.0	R
31	...		20	6.85	6		28	20.2	R
Nov. 1	...		20	6.81	...		28	20.9	M
5	...		20	6.99	...		28	20.4	M
15	...		20	6.94	...		28	20.2	M
986 Anon.									
Nov. 4	7.5	23	20	35.78	...	88	50	30.5	M
987 Lacaille 9496.									
Oct. 19	8.0	23	23	25.86	...	127	41	28.1	R
30	8.0		23	25.81	5		41	26.8	R
988 Anon.									
Sep. 20	7.3	23	24	27.79	...	127	1	16.6	R
26	8.0		24	27.89	5		1	17.5	R
989 Lacaille 9514.									
Oct. 29	9.0	23	26	2.65	...	131	34	46.9	R
990 Lacaille 9517.									
Sep. 20	7.0	23	26	38.47	...	126	50	53.3	R
26	7.2		26	38.63	...		50	53.1	R
Oct. 24	7.0		26	38.61	...		50	54.8	R
991 Anon.									
Oct. 19	9.3	23	29	50.23	...	130	6	8.5	R
21	9.5		29	50.30	...		6	7.4	R
992 Anon.									
Oct. 30	7.8	23	29	51.91	...	127	32	8.2	R
Nov. 2	7.9		29	51.80	...		32	10.3	M
4	7.8		29	51.84	...		32	8.6	M
993 17 Piscium ϵ									
Oct. 3	...	23	33	6.65	5	85	5	39.8	M
5	...		33	6.59	...		5	39.8	M
7	...		33	6.61	...		5	40.2	M
9	...		33	6.63	...		5	39.5	M
22	...		33	6.67	...		5	39.6	R
31	...		33	6.55	...		5	39.1	R
Nov. 1	...		33	6.58	...		5	39.4	M
5	...		33	6.59	...		5	39.7	M
7	...		33	6.57	...		5	40.3	M
994 18 Piscium λ									
Oct. 10	...	23	35	15.49	4	83	47	8.1	M
995 Anon.									
Oct. 29	8.7	23	33	21.42	5	148	41	55.7	R
Nov. 11	8.0		33	21.27	5		41	54.5	M
996 Anon.									
Sep. 26	9.3	23	26	8.36	...	126	8	41.1	R
Oct. 30	9.5		26	8.23	5		8	40.4	R

Separate Results of Madras Meridian Circle Observations in 1867.

Number and Date.	Magnitude.	Mean Right Ascension. 1867.	No. of Wires.	Mean Polar Distance. 1867.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension. 1867.	No. of Wires.	Mean Polar Distance. 1867.	Observer.
997	<i>R Aquarii Var. 1.</i>					1006	<i>Lacaille 9650.</i>				
Oct. 19	9.5	23 36 56.47	5	106 1 19.8	R	Oct. 30	8.3	23 49 15.00	...	129 47 10.3	R
21	9.9	36 56.37		1 16.7	R	1007	<i>Anon.</i>				
998	<i>Lacaille 9583.</i>					Sep. 21	9.0	23 51 54.93	5	152 19 40.5	R
Nov. 2	8.0	23 39 0.05	...	128 42 54.5	M	1008	<i>28 Piscium w</i>				
4	7.9	39 0.03	...	42 53.4	M	Oct. 8		23 52 29.00	...	83 52 23.4	M
999	<i>Lacaille 9597.</i>					29		52 28.50	6	52 22.6	R
Sep. 27	8.2	23 40 32.31	5	128 53 43.5	R	Nov. 15	...	52 28.90	...	52 23.3	M
Nov. 5	7.8	40 32.60	4	53 41.0	M	1009	<i>29 Piscium.</i>				
12	7.9	40 32.40	...	53 45.7	M	Nov. 7	...	23 55 0.52	6	93 46 5.7	M
1000	<i>♂ Sculptoris.</i>					1010	<i>Anon.</i>				
Oct. 3	...	23 41 59.67		118 51 57.1	M	Oct. 30	9.5	23 56 7.75		130 16 1.3	R
8	...	41 59.58		51 57.3	M	Nov. 16	9.5	56 7.90	...	16 2.1	R
14	...	41 59.43	4	51 58.2	M	1011	<i>Anon.</i>				
28		41 59.61		51 57.1	R	Oct. 21	9.3	23 56 35.79	6	126 42 22.8	R
1001	<i>Anon.</i>					1012	<i>Taylor 10990.</i>				
Sep. 30	7.5	23 42 8.16		142 3 27.1	R	Nov. 12	8.3	23 57 3.48	...	143 31 13.3	M
1002	<i>21 Piscium.</i>					1013	<i>Taylor 10997.</i>				
Nov. 7		23 42 38.86	...	80 39 45.5	M	Sep. 27	9.0	23 58 12.65		126 45 30.6	R
1003	<i>Anon.</i>					1014	<i>Anon.</i>				
Oct. 22	9.3	23 42 56.43	...	129 42 48.5	R	Sep. 31	9.2	23 58 44.00	...	125 52 14.1	R
30	9.2	43 56.43		42 48.2	R	Nov. 5	8.7	58 44.41	...	52 15.6	M
1004	<i>Anon.</i>					1015	<i>Lacaille 9721.</i>				
Sep. 27	9.0	23 47 1.44	...	128 8 51.4	R	Nov. 11	6.0	23 50 25.37		129 45 51.5	M
Oct. 19	9.0	47 1.50	5	8 52.5	R	1016	<i>Lacaille 9723.</i>				
Nov. 11	8.0	47 1.33	5	8 51.2	M	Nov. 6	7.7	23 50 51.02	6	126 49 27.8	M
1005	<i>Lacaille 9641.</i>										
Nov. 5	7.8	23 48 11.46	4	128 6 17.1	M						
12	7.8	48 11.40		6 17.7	M						

MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1867

REDUCED TO JANUARY 1, OF THAT YEAR.

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
1	21 Androm. α (<i>Alpherat</i>) ..	2.0	...	0	1	31.04	61	38	35.7	3	0.77
2	... ..	9.2	1	0	2	1.55	127	29	28.3	1	0.81
3	Lacaille 9746	8.0	1	0	2	57.24	146	55	55.5	1	0.84
4	... ..	9.4	2	0	5	7.73	126	17	5.3	2	0.80
5	... ..	8.0	1	0	6	20.18	131	7	17.9	1	0.76
6	88 Pegasi γ (<i>Algenib</i>) ...	3.0	...	0	6	23.30	75	33	22.4	4	0.80
7	Lalande 163	7.6	2	0	7	47.58	89	26	35.0	2	0.86
8	Taylor 64	7.7	3	0	14	16.77	129	58	35.2	3	0.88
9	Lalande 421	7.4	1	0	15	56.60	51	59	1.1	2	0.80
10	Lacaille 61	6.9	1	0	16	10.56	129	59	59.3	1	0.84
11	Lacaille 88	8.0	1	0	19	39.87	130	23	1.8	1	0.89
12	... ..	8.8	2	0	22	51.01	94	45	0.5	2	0.84
13	12 Ceti	6.2	...	0	23	15.06	94	41	34.6	8	0.85
14	Lalande 670	6.6	1	0	23	18.35	85	52	33.7	1	0.88
15	... ..	9.6	1	0	25	32.08	76	8	14.8	1	0.89
16	... ..	10.5	1	0	26	13.15	76	14	13.7	1	0.71
17	... ..	8.3	1	0	26	52.76	141	53	22.3	1	0.78
18	Taylor 148... ..	6.5	2	0	28	8.09	143	6	30.5	2	0.85
19	... ..	9.0	3	0	32	5.31	128	43	52.5	3	0.84
20	... ..	9.4	2	0	35	7.90	83	27	53.2	2	0.89
21	16 Ceti β	2.1	...	0	36	54.66	108	43	2.6	7	0.86
22	W. B. E. 0.628	9.0	1	0	37	3.20	98	49	19.6	1	0.87
23	W. B. E. 0.697	8.7	1	0	40	52.69	95	13	33.4	2	0.83
24	W. B. E. 0.706	7.9	1	0	41	17.35	94	28	20.9	2	0.83
25	63 Piscium δ	4.6	...	0	41	46.96	83	8	21.3	1	0.85
26	W. B. E. 0.716	8.8	1	0	41	50.66	94	35	49.5	1	0.92
27	Lacaille 234	7.0	3	0	45	3.15	129	15	8.1	3	0.90
28	... ..	9.4	2	0	45	18.13	129	12	55.3	2	0.86
29	... ..	9.5	2	0	50	28.91	129	30	11.0	3	0.87
30	Lacaille 264	7.6	3	C	50	52.28	154	41	8.7	3	0.85
31	... ..	9.3	2	0	51	11.99	130	30	56.9	2	0.91
32	... ..	8.5		0	51	59.06	130	41	3.2	1	0.79
33	71 Piscium ϵ	4.5		0	56	2.48	82	49	36.5	7	0.85
34	... ..	9.6	2	1	1	33.72	17	35	22.3	2	0.89
35	... ..	7.4	1	1	3	15.84	150	16	20.3	1	0.94

7.—Star occulted by the moon, when totally eclipsed, on 1866 Sep. 21.
 22.—23.—24.—26.—Comparison stars for Europa in 1861.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
1	21 Androm. α Alpherat	+ 3.0763	+ 0.0182	+ 0.000	- 20.055	+ 0.013	+ 0.15	4
2	" " " "	+ 3.0631	- 0.0207	"	- 20.054	+ 0.013	"	"
3	Lacaille 9746	+ 3.0456	- 0.0429	"	- 20.053	+ 0.013	"	"
4	" " " "	+ 3.0501	- 0.0194	"	- 20.051	+ 0.019	"	"
5	" " " "	+ 3.0398	- 0.0233	"	- 20.048	+ 0.021	"	"
6	88 Pegasi γ (Algenib)	+ 3.0816	+ 0.0100	0.000	- 20.049	+ 0.022	+ 0.02	26
7	Lalande 163	+ 3.0724	+ 0.0026	"	- 20.044	+ 0.024	"	"
8	Taylor 64	+ 3.0023	- 0.0211	"	- 20.016	+ 0.037	"	60
9	Lalande 421	+ 3.1447	+ 0.0271	"	- 20.007	+ 0.041	"	"
10	Lacaille 61	+ 2.9930	- 0.0209	"	- 20.005	+ 0.040	"	"
11	Lacaille 88	+ 2.9747	- 0.0207	"	- 19.981	+ 0.046	"	"
12	" " " "	+ 3.0611	+ 0.0007	"	- 19.956	+ 0.034	"	"
13	12 Ceti	+ 3.0609	+ 0.0008	- 0.002	- 19.952	+ 0.035	+ 0.01	112
14	Lalande 670	+ 3.0819	+ 0.0054	"	- 19.951	+ 0.034	"	113
15	" " " "	+ 3.1088	+ 0.0103	"	- 19.931	+ 0.050	"	"
16	" " " "	+ 3.1096	+ 0.0109	"	- 19.924	+ 0.061	"	"
17	" " " "	+ 2.9496	- 0.0325	"	- 19.917	+ 0.058	"	"
18	Taylor 148	+ 2.8540	- 0.0303	"	- 19.904	+ 0.060	"	143
19	" " " "	+ 2.9225	- 0.0176	"	- 19.859	+ 0.069	"	"
20	" " " "	+ 3.0955	+ 0.0073	"	- 19.819	+ 0.078	"	"
21	16 Ceti β	+ 2.9994	- 0.0055	+ 0.013	- 19.795	+ 0.050	- 0.02	196
22	W. B. E. 0.628	+ 3.0579	+ 0.0020	"	- 19.794	+ 0.090	"	"
23	W. B. E. 0.697	+ 3.0503	+ 0.0015	"	- 19.737	+ 0.087	"	"
24	W. B. E. 0.705	+ 3.0535	+ 0.0019	"	- 19.731	+ 0.087	"	"
25	63 Piscium δ	+ 3.1013	+ 0.0077	+ 0.003	- 19.722	+ 0.090	+ 0.05	222
26	W. B. E. 0.716	+ 3.0526	+ 0.0018	"	- 19.721	+ 0.089	"	"
27	Lacaille 234	+ 2.9587	- 0.0161	"	- 19.668	+ 0.090	"	"
28	" " " "	+ 2.9578	- 0.0160	"	- 19.664	+ 0.090	"	"
29	" " " "	+ 2.9300	- 0.0155	"	- 19.570	+ 0.098	"	"
30	Lacaille 264	+ 2.4429	- 0.0318	"	- 19.563	+ 0.087	"	"
31	" " " "	+ 2.8076	- 0.0160	"	- 19.558	+ 0.099	"	"
32	" " " "	+ 2.8138	- 0.0160	"	- 19.543	+ 0.100	"	"
33	71 Piscium ϵ	+ 3.1128	+ 0.0087	- 0.002	- 19.459	+ 0.110	0.00	285
34	" " " "	+ 4.1914	+ 0.1622	"	- 19.336	+ 0.171	"	"
35	" " " "	+ 2.4345	- 0.0237	"	- 19.206	+ 0.106	"	"

13.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
36	... ..	9.0	1	1	4	1.81	18	33	53.2	1	0.59
37	... ..	9.4	3	1	4	55.14	127	20	49.2	3	0.83
38	O. A. N. 1303 ...	7.0	1	1	9	2.56	18	18	2.6	1	0.93
39	1 Urs. Min. α (<i>Polaris</i>) ...	2.2	...	1	10	16.66	1	23	59.4	12	0.56
40	... ..	9.4	1	1	12	21.17	152	16	34.2	1	0.88
41	Brisbane 203 ...	6.9	1	1	15	7.20	150	46	24.0	1	0.84
42	45 Ceti θ^1 ...	3.8	...	1	17	22.49	98	52	14.7	8	0.85
43	... ..	8.0	...	1	19	0.18	151	19	27.8	1	0.71
44	Taylor 405 ...	7.0	1	1	19	38.01	91	5	28.3	1	0.83
45	99 Piscium η ...	4.5	...	1	24	22.13	75	20	27.2	10	0.88
46	Taylor 496 ...	8.0	1	1	25	49.04	140	35	15.8	1	0.71
47	... ..	8.5	1	1	25	51.30	150	20	42.7	1	0.89
48	102 Piscium π ...	5.6	...	1	30	3.03	78	32	22.0	1	0.80
49	Taylor 525 ...	6.0	...	1	30	15.64	148	49	12.0	1	0.92
50	... ..	8.6	2	1	31	30.84	130	51	20.7	2	0.91
51	Taylor 539 ...	6.0	1	1	31	52.23	148	57	0.8	1	0.82
52	α Eridani (<i>Achernar</i>) ...	1.0	...	1	32	45.69	147	54	50.2	2	0.81
53	106 Piscium ν ...	4.7	...	1	34	30.68	85	11	11.5	8	0.84
54	Lacaille 507 ...	6.0	...	1	37	14.77	151	27	35.6	1	0.92
55	110 Piscium σ ...	4.4	...	1	39	22.22	81	30	46.2	1	0.71
56	... ..	9.2	1	1	38	39.77	152	1	58.3	1	0.82
57	... ..	8.4	1	1	39	50.79	149	26	26.4	1	0.92
58	... ..	9.7	2	1	40	30.43	128	36	8.7	2	0.84
59	... ..	9.3	1	1	40	16.03	148	57	3.6	1	0.95
60	Lacaille 550 ...	8.3	3	1	46	43.43	129	24	14.6	3	0.85
61	6 Arietis β ...	2.8	...	1	47	17.76	60	50	37.6	10	0.86
62	... ..	9.0	1	1	49	22.47	126	6	37.6	1	0.89
63	... ..	9.0	1	1	52	24.32	145	47	31.3	1	0.91
64	... ..	8.8	1	1	53	3.63	151	22	2.7	1	0.94
65	... ..	9.4	2	1	56	14.35	129	57	36.7	2	0.85
66	... ..	9.3	1	1	56	14.52	129	26	22.5	1	0.89
67	13 Arietis α ...	2.0	...	1	59	40.81	67	10	6.2	10	0.87
68	... ..	8.8	1	2	1	10.63	148	46	47.5	1	0.94
69	... ..	9.3	1	2	6	11.21	151	23	15.8	1	0.94
70	21 Arietis ...	5.6	...	2	8	1.730	65	34	31.9	1	0.90

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
36	... ..	+ 4.1608	+ 0.1517	...	- 19.277	+ 0.177	...	...
37	... ..	+ 2.7860	- 0.0123	...	- 19.256	+ 0.122	...	...
38	O. A. N. 1303	+ 4.2718	+ 0.1510	...	- 19.152	+ 0.104	...	...
39	1 Urs. Min. α (Polaris)	+ 10.5929	+ 13.6902	+ 0.065	- 19.119	+ 0.671	0.00	360
40	... ..	+ 2.2823	- 0.0203	...	- 19.064	+ 0.111	...	...
41	Brisbane 208	+ 2.3028	- 0.0100	...	- 18.987	+ 0.116	...	...
42	45 Ceti θ^1	+ 3.0030	+ 0.0018	- 0.007	- 18.923	+ 0.154	+ 0.22	420
43	... ..	+ 2.2462	- 0.0173	...	- 18.875	+ 0.119	...	...
44	Taylor 465	+ 3.0634	+ 0.0056	...	- 18.856	+ 0.160	...	433
45	99 Piscium η	+ 3.1980	+ 0.0142	0.000	- 18.711	+ 0.176	0.00	453
46	Taylor 496	+ 2.4769	- 0.0141	...	- 18.665	+ 0.140	...	462
47	... ..	+ 2.2129	- 0.0148	...	- 18.664	+ 0.126	...	...
48	103 Piscium π	+ 3.1760	+ 0.0125	- 0.007	- 18.526	+ 0.185	- 0.03	488
49	Taylor 525	+ 2.2243	- 0.0135	...	- 18.520	+ 0.133	...	483
50	... ..	+ 2.6225	- 0.0101	...	- 18.477	+ 0.157	...	...
51	Taylor 539	+ 2.2055	- 0.0129	...	- 18.465	+ 0.133	...	407
52	α Eridani (Achernar)	+ 2.2324	- 0.0128	+ 0.008	- 18.435	+ 0.137	+ 0.07	507
53	106 Piscium ν	+ 3.1172	+ 0.0091	- 0.004	- 18.374	+ 0.191	- 0.04	518
54	Lacaille 507	+ 2.0600	- 0.0090	...	- 18.276	+ 0.132	...	531
55	110 Piscium ρ	+ 3.1551	+ 0.0111	+ 0.006	- 18.235	+ 0.199	- 0.01	537
56	... ..	+ 2.0213	- 0.0089	...	- 18.225	+ 0.131	...	...
57	... ..	+ 2.1151	- 0.0100	...	- 18.176	+ 0.138	...	...
58	... ..	+ 2.0189	- 0.0081	...	- 18.156	+ 0.171	...	...
59	... ..	+ 2.0790	- 0.0082	...	- 17.938	+ 0.144	...	...
60	Lacaille 550	+ 2.5788	- 0.0076	...	- 17.919	+ 0.177	...	...
61	6 Arietis β	+ 3.2935	+ 0.0183	+ 0.002	- 17.897	+ 0.226	+ 0.11	577
62	... ..	+ 2.6241	- 0.0063	...	- 17.816	+ 0.184	...	...
63	... ..	+ 2.1456	- 0.0077	...	- 17.691	+ 0.156	...	...
64	... ..	+ 1.9124	- 0.0040	...	- 17.664	+ 0.140	...	...
65	... ..	+ 2.5279	- 0.0065	...	- 17.631	+ 0.187	...	...
66	... ..	+ 2.5379	- 0.0064	...	- 17.530	+ 0.189	...	...
67	13 Arietis α	+ 3.3529	+ 0.0203	+ 0.012	- 17.382	+ 0.252	+ 0.15	648
68	... ..	+ 1.9593	- 0.0036	...	- 17.317	+ 0.151	...	...
69	... ..	+ 1.7897	+ 0.0006	...	- 17.002	+ 0.144	...	...
70	21 Arietis	+ 3.3912	+ 0.0215	- 0.005	- 16.900	+ 0.209	+ 0.07	638

52 — Proper motions from "Stone's Cape Catalogue."

70 — Proper motions from "Greenwich Catalogue 1861."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
71	67 Ceti	5.6	...	2	10	21.03	97	2	12.1	9	0.87
72	68 Ceti σ Var. 1 (<i>Mira</i>) ...	6.0	2	2	12	37.71	93	36	0.2	2	0.80
73	... ..	9.0	2	2	12	45.40	93	34	46.7	2	0.93
74	... ..	8.0	1	2	15	44.70	152	33	21.1	1	0.96
75	... ..	8.5	2	2	17	49.30	151	2	20.2	2	0.92
76	73 Ceti 1 st	4.4	...	2	21	5.36	82	8	15.4	16	0.89
77	Lacaille 782	7.0	1	2	23	18.38	148	24	8.5	1	0.93
78	... ..	8.5	3	2	27	30.97	147	11	24.2	3	0.93
79	... ..	9.2	2	2	28	15.92	129	45	40.0	2	0.93
80	... ..	9.7	1	2	30	51.00	147	34	6.1	1	0.87
81	... ..	9.0	1	2	31	17.41	148	30	32.8	1	0.94
82	... ..	9.6	2	2	31	20.61	151	38	36.5	2	0.93
83	86 Ceti γ	3.6	...	2	36	24.61	87	19	31.8	9	0.93
84	87 Ceti μ	4.4	...	2	37	45.29	80	26	57.0	2	0.78
85	Lacaille 868	7.9	1	2	38	38.12	147	12	24.4	1	0.92
86	Taylor 940	7.9	2	2	40	22.32	128	43	45.6	2	0.97
87	... ..	9.6	3	2	41	47.29	151	1	56.1	3	0.94
88	Taylor 969	7.2	2	2	45	47.49	74	3	41.5	2	0.93
89	Taylor 978	6.9	2	2	47	26.42	147	44	27.2	2	0.94
90	Lacaille 941	6.9	1	2	50	31.95	146	25	20.8	1	0.87
91	Taylor 991	7.2	3	2	50	40.24	129	11	26.7	3	0.97
92	Lacaille 969	7.8	2	2	54	68.75	144	13	14.1	2	0.91
93	42 Ceti α (<i>Menkar</i>)	2.7	...	2	55	19.71	86	26	2.0	4	0.95
94	26 Persæ ρ Var. 2	3.7	...	2	56	30.76	51	40	39.7	1	0.93
95	26 Persæ β Var. 1 (<i>Algol</i>) ...	2.3	...	2	59	31.29	49	33	33.2	2	0.90
96	Taylor 1047	6.5	1	2	59	55.67	151	19	10.0	1	0.97
97	... ..	8.0	1	2	59	57.06	130	37	40.3	1	0.98
98	Taylor 1052	5.3	...	3	0	29.28	150	15	19.1	1	0.92
99	Taylor 1057	8.0	2	3	0	50.41	151	21	38.5	2	0.49
100	R. P. L. 33	5.9	...	3	1	20.76	5	34	6.0	1	0.95
101	... ..	9.3	1	3	2	16.73	130	38	13.4	1	0.98
102	57 Arietis δ	4.5	...	3	4	1.65	70	46	43.7	6	0.94
103	Taylor 1081	8.0	1	3	5	16.31	151	30	33.2	1	0.89
104	... ..	9.0	1	3	6	15.53	128	31	22.9	1	0.97
105	... ..	9.4	2	3	7	21.43	145	29	51.1	2	0.40

72.— σ Ceti Var. 1 (*Mira*).—Period 331 days.—Range, 2nd to 10th magnitude.94.— ρ Persæ Var. 2.—Changes irregularly from 3.5 to 4.3 magnitude.95.— β Persæ Var. 1 (*Algol*).—Period 2.967 days.—Range, 2.3 to 4th magnitude.

100.—Groombridge 595.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
71	67 Ceti	+ 2.9832	+ 0.0049	+ 0.003	- 16.897	+ 0.242	+ 0.14	704
72	68 Ceti Var. 1 (Mira.)	+ 3.0263	+ 0.0064	- 0.001	- 16.789	+ 0.248	+ 0.23	720
73	... ..	+ 3.0263	+ 0.0064	...	- 16.783	+ 0.249	...	...
74	... ..	+ 1.6349	+ 0.0055	...	- 16.638	+ 0.140	...	...
75	... ..	+ 1.7502	+ 0.0037	...	- 16.536	+ 0.148	...	...
76	73 Ceti 1 st	+ 3.1787	+ 0.0117	+ 0.001	- 16.374	+ 0.276	+ 0.02	760
77	Lacaille 782	+ 1.7770	+ 0.0026	...	- 16.105	+ 0.161	...	...
78	... ..	+ 1.8275	+ 0.0016	...	- 16.042	+ 0.167	...	...
79	... ..	+ 2.4016	- 0.0027	...	- 16.003	+ 0.218	...	...
80	... ..	+ 1.7819	+ 0.0027	...	- 15.865	+ 0.168	...	...
81	... ..	+ 1.7337	+ 0.0039	...	- 15.841	+ 0.162	...	...
82	... ..	+ 1.5527	+ 0.0084	...	- 15.839	+ 0.146	...	...
83	86 Ceti γ	+ 3.1114	+ 0.0094	- 0.011	- 15.564	+ 0.294	+ 0.19	837
84	87 Ceti μ	+ 3.2150	+ 0.0120	+ 0.017	- 15.489	+ 0.305	+ 0.07	845
85	Lacaille 848	+ 1.7478	+ 0.0040	...	- 15.442	+ 0.170	...	...
86	Taylor 940	+ 2.3814	+ 0.0015	...	- 15.342	+ 0.231	...	...
87	... ..	+ 1.5053	+ 0.0099	...	- 15.263	+ 0.140	...	...
88	Taylor 969	+ 3.3249	+ 0.0157	...	- 15.082	+ 0.326	...	892
89	Taylor 978	+ 1.6585	+ 0.0062	...	- 14.986	+ 0.168	...	899
90	Lacaille 941	+ 1.7080	+ 0.0053	...	- 14.754	+ 0.175	...	...
91	Taylor 991	+ 2.3332	- 0.0006	...	- 14.746	+ 0.237	...	917
92	Lacaille 969	+ 1.7894	+ 0.0040	...	- 14.488	+ 0.186	...	...
93	42 Ceti α (Menkar) ...	+ 3.1297	+ 0.0098	- 0.002	- 14.467	+ 0.323	+ 0.11	949
94	25 Persei ρ Var. 2 ...	+ 3.8084	+ 0.0332	+ 0.010	- 14.386	+ 0.393	+ 0.11	953
95	26 Persei δ Var. 1 (Algol)	+ 3.8762	+ 0.0356	- 0.002	- 14.210	+ 0.405	- 0.01	963
96	Taylor 1047	+ 1.3446	+ 0.0139	...	- 14.185	+ 0.145	...	968
97	... ..	+ 2.2611	+ 0.0002	...	- 14.183	+ 0.239	...	...
98	Taylor 1052	+ 1.4142	+ 0.0120	...	- 14.150	+ 0.152	...	972
99	Taylor 1057	+ 1.3346	+ 0.0142	...	- 14.129	+ 0.144	...	973
100	R. P. L. 33	+ 12.8200	+ 1.5870	...	- 14.097	+ 1.336	+ 0.12	980
101	... ..	+ 2.2527	+ 0.0004	...	- 14.099	+ 0.241	...	...
102	57 Arietis δ	+ 3.4074	+ 0.0171	+ 0.010	- 13.929	+ 0.364	0.00	986
103	Taylor 1081	+ 1.2794	+ 0.0156	...	- 13.851	+ 0.141	...	992
104	... ..	+ 2.9991	+ 0.0006	...	- 13.789	+ 0.250	...	...
105	... ..	+ 1.6444	+ 0.0009	...	- 13.719	+ 0.181	...	...

76.—85.—100.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
106	Taylor 1112 ...	8.0	1	3	10	23.68	129	29	40.3	1	0.60
107	Taylor 1113 ...	8.9	1	3	10	24.00	131	43	29.5	1	0.56
108	Taylor 1127 ...	8.0	1	3	11	54.24	131	45	40.1	1	0.56
109	... ..	9.3	1	3	12	29.94	130	9	53.0	1	0.58
110	... ..	9.0	1	3	12	30.10	130	57	29.2	1	0.97
111	... ..	8.5	1	3	12	40.75	129	27	1.9	1	0.99
112	... ..	7.8	1	3	13	27.18	125	39	12.6	1	0.97
113	33 Persei α ...	1.0	...	3	14	50.42	40	36	54.8	1	0.99
114	... ..	8.2	3	3	15	9.62	151	31	33.4	3	0.89
115	... ..	9.3	1	3	15	30.03	125	40	46.2	1	0.97
116	... ..	9.5	1	3	16	58.05	127	6	21.8	1	0.96
117	... ..	8.8	1	3	17	26.79	130	44	59.6	1	0.97
118	... ..	9.0	1	3	20	22.02	149	18	15.3	1	0.80
119	R Persei Var. 3 ...	9.0	1	3	21	35.53	54	47	24.8	1	0.96
120	... ..	9.3	1	3	23	21.70	130	9	39.0	1	0.58
121	5 Tauri f ...	4.3	2	3	23	31.82	77	31	16.4	2	0.78
122	... ..	9.0	2	3	23	46.11	126	21	58.0	2	0.98
123	... ..	8.5	1	3	24	56.51	129	1	6.5	1	0.97
124	Lacaille 1150 ...	7.0	1	3	28	30.98	152	27	40.0	1	0.02
125	Lacaille 1140 ...	7.0	1	3	28	41.15	150	18	32.0	1	0.02
126	... ..	9.2	1	3	28	52.10	128	28	54.3	1	0.97
127	... ..	7.0	1	3	30	17.03	161	50	23.7	1	0.66
128	... ..	9.0	1	3	31	52.10	129	49	26.0	1	0.98
129	... ..	8.0	1	3	32	20.00	151	20	9.3	1	0.90
130	Lacaille 1166 ...	8.8	1	3	33	8.55	129	12	37.6	1	0.97
131	... ..	8.2	1	3	33	25.55	127	42	33.9	1	0.90
132	... ..	10.0	1	3	33	43.83	128	29	59.2	1	0.97
133	... ..	8.6	1	3	35	23.18	150	12	42.5	1	0.03
134	... ..	9.7	1	3	35	53.51	129	10	3.0	1	0.97
135	... ..	8.0	1	3	37	2.65	148	26	55.2	1	0.79
136	25 Tauri η (Alcyone) ...	3.0	..	3	39	34.91	66	19	31.6	11	0.75
137	30 Tauri ϵ ...	5.1	..	3	40	58.73	79	16	5.7	1	0.71
138	Lacaille 1242 ...	7.2	1	3	41	49.31	147	4	42.1	1	0.92
139	W. B. E. III. 590 ...	8.3	2	3	45	29.06	76	1	4.7	2	0.28
140	... ..	9.0	1	3	49	55.32	139	11	37.7	1	0.59

119.—R Persei Var. 3.—Period 309 days.—Range, 9.5 to 12.5 magnitude.

139.—Comparison star for Aëla in 1962.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	<i>"</i>	<i>"</i>	<i>"</i>	
106	Taylor 1112 ...	+ 2.2584	+ 0.0009	...	- 13.523	+ 0.249	...	...
107	Taylor 1113 ...	+ 2.1916	+ 0.0011	...	- 13.522	+ 0.242	...	...
108	Taylor 1127 ...	+ 2.1853	+ 0.0012	...	- 13.426	+ 0.243	...	...
109	... ..	+ 2.2318	+ 0.0012	...	- 13.387	+ 0.246	...	...
110	... ..	+ 2.2080	+ 0.0011	...	- 13.387	+ 0.246	...	...
111	... ..	+ 2.2523	+ 0.0011	...	- 13.376	+ 0.251	...	...
112	... ..	+ 2.3553	+ 0.0011	...	- 13.325	+ 0.263	...	...
113	33 Persei a ...	+ 4.2434	+ 0.0483	+ 0.002	- 13.234	+ 0.472	+ 0.05	1043
114	... ..	+ 1.2175	+ 0.0166	...	- 13.212	+ 0.140	...	...
115	... ..	+ 2.3489	+ 0.0012	...	- 13.190	+ 0.264	...	...
116	... ..	+ 2.3060	+ 0.0013	...	- 13.094	+ 0.261	...	...
117	... ..	+ 2.1979	+ 0.0015	...	- 13.062	+ 0.249	...	...
118	... ..	+ 1.3446	+ 0.0131	...	- 12.866	+ 0.156	...	...
119	B Persei Var. 3 ...	+ 3.7991	+ 0.0278	...	- 12.784	+ 0.432	...	...
120	... ..	+ 2.1972	+ 0.0018	...	- 12.665	+ 0.254	...	...
121	5 Tauri f ...	+ 3.3017	+ 0.0130	+ 0.002	- 12.652	+ 0.379	+ 0.03	1067
122	... ..	+ 2.3076	+ 0.0016	...	- 12.637	+ 0.266	...	...
123	... ..	+ 2.2272	+ 0.0018	...	- 12.557	+ 0.258	...	...
124	Lacaille 1150 ...	+ 1.0480	+ 0.0203	...	- 12.311	+ 0.126	...	...
125	Lacaille 1149 ...	+ 1.2201	+ 0.0166	...	- 12.300	+ 0.146	...	...
126	... ..	+ 2.2320	+ 0.0020	...	- 12.287	+ 0.262	...	...
127	... ..	+ 1.0887	+ 0.0190	...	- 12.189	+ 0.131	...	...
128	... ..	+ 2.1820	+ 0.0023	...	- 12.079	+ 0.259	...	...
129	... ..	+ 2.1318	+ 0.0025	...	- 12.047	+ 0.250	...	...
130	Lacaille 1166 ...	+ 2.1976	+ 0.0023	...	- 11.989	+ 0.262	...	...
131	... ..	+ 2.2426	+ 0.0021	...	- 11.970	+ 0.268	...	...
132	... ..	+ 2.2182	+ 0.0022	...	- 11.948	+ 0.265	...	...
133	... ..	+ 1.1863	+ 0.0159	...	- 11.832	+ 0.145	...	...
134	... ..	+ 2.1912	+ 0.0034	...	- 11.793	+ 0.264	...	...
135	... ..	+ 1.3043	+ 0.0131	...	- 11.714	+ 0.160	...	...
136	25 Tauri α (Alcyone) ...	+ 3.5520	+ 0.0177	- 0.001	- 11.533	+ 0.450	+ 0.05	1166
137	30 Tauri ϵ ...	+ 3.2803	+ 0.0115	0.000	- 11.433	+ 0.398	+ 0.05	1174
138	Lacaille 1242 ...	+ 1.3712	+ 0.0114	...	- 11.373	+ 0.170	...	...
139	W. B. E. 111. 860 ...	+ 3.3492	+ 0.0127	...	- 11.104	+ 0.412	...	...
140	... ..	+ 2.1523	+ 0.0029	...	- 10.781	+ 0.270	...	...

121.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
141	... ..	8.0	1	3	50	53.94	147	28	42.7	1	0.79
142	34 Eridani γ^1 ...	3.0	...	3	51	40.43	103	53	20.9	12	0.56
143	35 Tauri λ Var. 1... ..	3.6	...	3	53	18.77	77	53	16.6	2	0.45
144	... ..	8.5	1	3	53	45.06	143	7	51.5	1	0.04
145	... ..	9.1	1	3	54	48.00	129	10	20.6	1	0.89
146	Taylor 1392	6.9	1	3	55	51.94	147	28	52.5	1	0.03
147	Lalande 7581	8.2	1	3	58	23.91	74	51	50.8	1	0.02
148	Lacaille 1359	8.5	2	4	0	4.86	147	49	36.4	2	0.02
149	Lacaille 1375	8.1	2	4	2	58.03	148	50	17.8	2	0.03
150	Lalande 7764	8.0	1	4	3	38.46	74	43	23.1	1	0.03
151	... ..	9.5	1	4	3	46.18	146	55	55.9	1	0.89
152	37 Eridani	5.8	...	4	3	53.37	97	16	25.7	1	0.95
153	38 Eridani ϵ^1	4.1	...	4	5	22.48	97	11	12.8	2	0.92
154	... ..	8.1	1	4	9	52.86	129	18	24.7	1	0.01
155	Taylor 1489	7.2	3	4	11	6.48	148	21	34.6	3	0.33
156	51 Tauri γ	3.9	...	4	12	13.73	74	41	47.2	1	0.04
157	Lacaille 1418	7.5	2	4	12	31.61	143	39	17.3	2	0.40
158	... ..	8.7	3	4	12	35.05	129	10	20.5	3	0.04
159	... ..	8.3	2	4	13	58.02	70	51	2.3	2	0.01
160	U Tauri Var. 7	9.9	1	4	14	4.25	70	30	16.3	1	0.04
161	... ..	10.0	1	4	15	20.86	129	7	25.1	1	0.87
162	... ..	8.0	1	4	16	49.23	149	3	59.5	1	0.87
163	74 Tauri ϵ	3.7	...	4	20	51.13	71	7	3.3	11	0.35
164	Lacaille 1519	7.0	1	4	25	37.48	153	5	43.2	1	0.02
165	Lacaille 1520	7.7	1	4	26	44.46	147	28	39.6	1	0.03
166	... ..	9.3	1	4	27	35.77	150	33	35.1	1	0.95
167	87 Tauri α (Aldebaran) ...	1.0	...	4	28	17.47	73	45	40.0	12	0.38
168	... ..	8.2	2	4	28	32.48	140	13	54.0	2	0.41
169	R Reticuli Var. 1	9.0	7	4	32	10.38	153	18	20.9	7	0.31
170	Lacaille 1551	6.0	1	4	32	11.35	153	5	52.9	1	0.06
171	... ..	9.5	2	4	34	39.82	153	26	31.1	2	0.96
172	95 Tauri	6.9	1	4	35	10.70	66	10	0.0	1	0.02
173	Lacaille 1567	5.0	1	4	35	13.10	152	20	26.5	1	0.04
174	Lacaille 1566	6.9	1	4	35	45.90	148	28	6.2	1	0.03
175	Taylor 1663	7.5	3	4	36	55.13	138	47	45.8	3	0.09

143.— λ Tauri Var. 1.—Period 3.95 days.—Range, 3.5 to 4.3 magnitude.

147.—150.—Comparison stars for Asia in 1862.

160.—U Tauri Var. 7.—Period unknown.—Range, 0th to 10.5 magnitude.

169.—R Reticuli Var. 1.—Period 281 days.—Range, 7th to below 13th magnitude.

170.—171.—173.—Stars for map of R Reticuli Var. 1.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	<i>"</i>	<i>"</i>	<i>"</i>	
141	... ..	+ 1.2991	+ 0.0124	...	- 10.709	+ 0.165	...	...
142	34 Eridani γ^1	+ 2.7018	+ 0.0047	+ 0.002	- 10.641	+ 0.351	+ 0.12	1234
143	35 Tauri λ Var. 1	+ 3.3164	+ 0.0115	- 0.002	- 10.329	+ 0.416	+ 0.02	1241
144	... ..	+ 1.5531	+ 0.0082	...	- 10.497	+ 0.198	...	...
145	... ..	+ 2.1413	+ 0.0031	...	- 10.410	+ 0.271	...	...
146	Taylor 1392	+ 1.2751	+ 0.0126	...	- 10.340	+ 0.164	...	1255
147	Lalande 7581	+ 3.3810	+ 0.0124	...	- 10.148	+ 0.430	...	...
148	Lacaille 1339	+ 1.2314	+ 0.0131	...	- 10.022	+ 0.160	...	...
149	Lacaille 1375	+ 1.1433	+ 0.0144	...	- 9.802	+ 0.140	...	...
150	Lalande 7764	+ 3.3913	+ 0.0121	...	- 9.750	+ 0.436	...	...
151	... ..	+ 1.2778	+ 0.0200	...	- 9.740	+ 0.167	...	...
152	37 Eridani	+ 2.9230	+ 0.0058	- 0.002	- 9.732	+ 0.377	+ 0.04	1284
153	38 Eridani ϵ^1	+ 2.9241	+ 0.0058	- 0.002	- 9.617	+ 0.379	- 0.07	1290
154	... ..	+ 2.1016	+ 0.0035	...	- 9.270	+ 0.276	...	...
155	Taylor 1489	+ 1.1427	+ 0.0137	...	- 9.175	+ 0.152	...	1325
156	54 Tauri γ	+ 3.3982	+ 0.0115	+ 0.009	- 9.067	+ 0.446	+ 0.03	1328
157	Lacaille 1418	+ 1.4513	+ 0.0088	...	- 9.064	+ 0.193	...	...
158	... ..	+ 2.1002	+ 0.0035	...	- 9.059	+ 0.277	...	...
159	... ..	+ 3.4875	+ 0.0128	...	- 8.951	+ 0.459	...	...
160	U Tauri Var. 7	+ 3.4959	+ 0.0129	...	- 8.943	+ 0.460	...	...
161	... ..	+ 2.0900	+ 0.0035	...	- 8.842	+ 0.279	...	...
162	... ..	+ 1.0634	+ 0.0146	...	- 8.727	+ 0.144	...	...
163	74 Tauri ϵ	+ 3.4872	+ 0.0130	+ 0.005	- 8.408	+ 0.466	+ 0.03	1376
164	Lacaille 1519	+ 0.6570	+ 0.0212	...	- 8.027	+ 0.091	...	...
165	Lacaille 1520	+ 1.1466	+ 0.0122	...	- 7.937	+ 0.157	...	...
166	... ..	+ 0.8045	+ 0.0162	...	- 7.895	+ 0.123	...	...
167	87 Tauri α (Aldebaran)	+ 3.4307	+ 0.0105	+ 0.004	- 7.813	+ 0.464	+ 0.17	1420
168	... ..	+ 1.5918	+ 0.0067	...	- 7.792	+ 0.217	...	...
169	R Reticuli Var. 1	+ 0.6061	+ 0.0210	...	- 7.499	+ 0.065	...	...
170	Lacaille 1551	+ 0.6280	+ 0.0205	...	- 7.497	+ 0.088	...	...
171	... ..	+ 0.5802	+ 0.0209	...	- 7.297	+ 0.082	...	...
172	95 Tauri	+ 3.0228	+ 0.0125	+ 0.004	- 7.254	+ 0.495	0.00	1453
173	Lacaille 1567	+ 0.6037	+ 0.0196	...	- 7.251	+ 0.097	...	...
174	Lacaille 1568	+ 1.0385	+ 0.0128	...	- 7.202	+ 0.144	...	...
175	Taylor 1663	+ 1.0443	+ 0.0059	...	- 7.112	+ 0.227	...	...

143.—Proper motions from "Greenwich Catalogue 1872."

172.—Proper motions from "Greenwich Catalogue 1894."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
176	... ..	0.6	2	4	39	15.49	153	15	34.4	2	0.52
177	... ..	9.0	1	4	39	27.08	153	3	18.9	1	0.36
178	... ..	9.5	2	4	43	26.68	130	40	53.5	2	0.04
179	Lacaille 1629	6.4	1	4	43	44.51	153	28	14.6	1	0.01
180	... ..	8.0	1	4	43	57.70	127	40	3.2	1	0.36
181	Lacaille 1625	7.3	2	4	45	3.70	140	1	31.9	2	0.02
182	... ..	9.0	1	4	45	34.95	129	24	45.1	1	0.02
183	Lacaille 1649	6.9	2	4	46	55.68	150	29	19.9	2	0.95
184	3 Aurigæ	2.7	...	4	48	20.12	57	2	52.4	13	0.39
185	Taylor 1764	6.3	2	4	50	27.62	129	50	35.8	2	0.95
186	Taylor 1730	7.0	2	4	52	19.23	144	38	31.4	2	0.03
187	R Leporis Var. 1	7.5	1	4	53	32.92	104	59	26.6	1	0.10
188	Taylor 1797	7.0	1	4	54	54.20	148	16	39.5	1	0.07
189	... ..	8.7	1	4	56	2.40	130	17	24.5	1	0.01
190	Lacaille 1607	8.0	1	4	56	57.29	129	6	56.3	1	0.02
191	11 Orionis	4.7	...	4	56	58.29	74	47	3.9	2	0.04
192	Taylor 1811	6.1	1	4	57	9.12	129	54	47.7	1	0.11
193	Taylor 1814	9.2	2	4	57	48.47	148	41	40.3	2	0.95
194	2 Leporis	3.3	...	4	59	49.55	112	33	7.8	8	0.28
195	... ..	7.9	1	5	0	5.21	135	23	41.6	1	0.02
196	Taylor 1852	6.9	1	5	2	13.63	144	35	17.2	1	0.95
197	Lacaille 1739	8.0	1	5	2	54.84	146	57	38.7	1	0.94
198	... ..	9.5	1	5	4	39.64	135	34	26.2	1	0.07
199	... ..	9.5	6	5	6	29.17	36	31	28.0	6	0.86
200	R Aurigæ Var. 2	8.7	1	5	6	33.84	30	34	3.8	1	0.96
201	13 Aurigæ α (Capella)	0.2	...	5	6	52.11	41	8	28.6	3	0.07
202	19 Orionis β (Rigel)	0.3	...	5	8	8.81	98	21	29.8	4	0.04
203	... ..	9.0	1	5	8	32.01	150	36	9.1	1	0.02
204	... ..	9.2	1	5	10	37.65	121	19	24.1	1	0.08
205	... ..	9.7	1	5	12	3.39	129	46	35.9	1	0.07
206	... ..	9.6	3	5	13	46.50	75	11	34.1	3	0.04
207	... ..	9.1	2	5	15	1.34	121	18	28.4	2	0.08
208	Lacaille 1822	7.9	1	5	15	47.64	141	43	2.5	1	0.95
209	... ..	9.2	1	5	16	12.49	131	48	7.8	1	0.07
210	Lacaille 1924	7.4	1	5	17	4.44	129	37	50.4	1	0.12

187.—R Leporis Var 1.—Period 428 days.—Range, 0th to 9th magnitude.
 200.—R Aurigæ Var. 2.—Period 465 days.—Range, 7th to 12.7 magnitude.
 206.—Comparison star for Asia in 1866.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			To Polar Distance.			Number in R.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
176	... ..	+ 0.5815	+ 0.0199	...	- 6.920	+ 0.083	...	...
177	... ..	+ 0.6026	+ 0.0196	...	- 6.904	+ 0.085	...	...
178	... ..	+ 1.9863	+ 0.0040	...	- 6.875	+ 0.277	...	...
179	Lacaille 1629	+ 0.3409	+ 0.0197	...	- 6.550	+ 0.077	...	...
180	... ..	+ 2.0962	+ 0.0036	...	- 6.533	+ 0.292	...	...
181	Lacaille 1625	+ 1.5619	+ 0.0063	...	- 6.442	+ 0.219	...	...
182	... ..	+ 2.0309	+ 0.0037	...	- 6.393	+ 0.284	...	...
183	Lacaille 1619	+ 0.8291	+ 0.0143	...	- 6.287	+ 0.118	...	...
184	3 Aurigæ	+ 3.8966	+ 0.0144	- 0.003	- 6.170	+ 0.544	+ 0.02	1520
185	Taylor 1764	+ 2.0074	+ 0.0038	...	- 5.992	+ 0.282	...	1533
186	Taylor 1780	+ 1.2695	+ 0.0084	...	- 5.836	+ 0.180	...	...
187	R Leporis Var. 1	+ 2.7287	+ 0.0038	...	- 5.734	+ 0.392	...	...
188	Taylor 1797	+ 0.9959	+ 0.0111	...	- 5.620	+ 0.141	...	...
189	... ..	+ 1.9825	+ 0.0038	...	- 5.524	+ 0.280	...	...
190	Lacaille 1607	+ 2.0259	+ 0.0036	...	- 5.447	+ 0.286	...	...
191	11 Orionis	+ 3.4221	+ 0.0079	0.000	- 5.446	+ 0.482	+ 0.03	1557
192	Taylor 1811	+ 1.9956	+ 0.0038	...	- 5.431	+ 0.282	...	1561
193	Taylor 1814	+ 0.9541	+ 0.0111	...	- 5.376	+ 0.136	...	...
194	2 Leporis	+ 2.5358	+ 0.0033	+ 0.001	- 5.205	+ 0.359	+ 0.08	1575
195	... ..	+ 1.7627	+ 0.0046	...	- 5.183	+ 0.250	...	...
196	Taylor 1852	+ 1.2510	+ 0.0077	...	- 5.002	+ 0.179	...	1595
197	Lacaille 1739	+ 1.6798	+ 0.0093	...	- 4.944	+ 0.155	...	...
198	... ..	+ 1.7477	+ 0.0043	...	- 4.796	+ 0.250	...	...
199	... ..	+ 4.8251	+ 0.0239	...	- 4.641	+ 0.687	...	...
200	R Aurigæ Var. 2	+ 4.8256	+ 0.0239	...	- 4.634	+ 0.687	...	...
201	13 Aurigæ (Cepella)	+ 4.4128	+ 0.0173	+ 0.008	- 4.608	+ 0.629	+ 0.43	1613
202	19 Orionis (Rigel)	+ 2.8906	+ 0.0040	- 0.001	- 4.499	+ 0.412	+ 0.02	1623
203	... ..	+ 0.7587	+ 0.0117	...	- 4.467	+ 0.110	...	...
204	... ..	+ 3.2772	+ 0.0030	...	- 4.287	+ 0.326	...	...
205	... ..	+ 1.9833	+ 0.0036	...	- 4.165	+ 0.285	...	...
206	... ..	+ 3.4184	+ 0.0063	...	- 4.018	+ 0.400	...	...
207	... ..	+ 2.2741	+ 0.0030	...	- 3.911	+ 0.328	...	...
208	Lacaille 1822	+ 1.4095	+ 0.0057	...	- 3.845	+ 0.204	...	...
209	... ..	+ 1.8984	+ 0.0037	...	- 3.810	+ 0.274	...	...
210	Lacaille 1824	+ 1.9843	+ 0.0034	...	- 3.735	+ 0.286	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>a.</i>	<i>i.</i>	<i>"</i>		
211	... ..	7.0	1	5	17	39.32	153	7	11.2	1	0.07
212	112 Tauri β	1.0	...	5	17	53.15	61	30	30.0	12	0.08
213	... ..	9.3	2	5	18	25.31	121	28	45.8	2	0.52
214	R. P. L. 40	6.2	...	5	19	40.91	4	32	53.2	2	0.74
215	... ..	9.2	1	5	22	36.64	152	41	55.5	1	0.07
216	... ..	7.1	1	5	23	31.99	151	13	17.3	1	0.10
217	A Doradus... ..	6.0	1	5	24	23.14	149	1	33.1	1	0.06
218	119 Tauri	4.6	...	5	24	25.05	71	30	28.8	2	0.91
219	34 Orionis δ Var. 1 ...	2.4	..	5	25	12.75	90	21	2.2	9	0.16
220	... ..	9.5	1	5	26	12.32	121	24	17.1	1	0.08
221	11 Leporis α	2.7	...	5	26	51.82	107	55	12.1	5	0.24
222	Taylor 2057	7.8	2	5	28	3.42	151	55	30.9	2	0.08
223	Lalande 10532	8.2	1	5	29	19.51	78	15	4.2	1	0.09
224	46 Orionis ϵ	1.8	...	5	29	27.96	91	17	23.9	4	0.05
225	123 Tauri γ	3.0	...	5	29	41.92	68	56	30.4	2	0.20
226	Lalande 10607	7.0	3	5	31	27.86	68	18	56.6	3	0.02
227	... ..	9.3	1	5	32	5.08	123	55	19.2	1	0.97
228	... ..	8.8	3	5	32	14.75	123	54	10.7	3	0.37
229	Lacaille 1949	6.5	1	5	32	16.38	154	18	59.9	1	0.04
230	Lacaille 1916	7.0	2	5	32	29.28	121	8	33.2	2	0.52
231	α Columbae	2.7	...	5	34	50.10	124	8	49.4	8	0.03
232	Taylor 2113	7.4	1	5	35	13.88	130	45	27.9	1	0.10
233	Lalande 10819	8.0	3	5	37	54.51	68	19	38.5	3	0.07
234	... ..	7.8	2	5	39	20.79	79	0	9.7	2	0.53
235	Taylor 2145	0.5	1	5	39	54.82	135	53	43.0	1	0.07
236	... ..	9.3	1	5	40	37.23	120	57	54.9	1	0.08
237	W. H. E. V. 1011 ..	8.5	1	5	40	38.90	78	57	37.6	1	0.87
238	Taylor 2194	9.0	1	5	43	56.51	150	46	22.0	1	0.07
239	... ..	9.3	1	5	44	49.03	137	10	16.1	1	0.07
240	Lalande 11028	5.4	3	5	45	16.79	68	29	36.9	3	0.05
241	Lacaille 2036	8.2	3	5	46	26.64	129	47	11.1	3	0.10
242	54 Orionis χ^1	4.6	..	5	46	30.31	69	45	8.0	1	0.12
243	... ..	5.0	1	5	47	6.61	135	46	48.5	1	0.10
244	Lalande 11166	7.9	2	5	47	11.56	78	32	35.0	2	0.02
245	53 Orionis α Var. 2	0.9	..	5	47	58.31	82	37	14.1	7	0.00

211.—Greenbridge 914

219.— δ Orionis Var. 1.—Supposed to vary irregularly from 2.3 to 2.7 magnitude.

223.—234.—237.—244.—Comparison star for Sappho in 1866.

226.—233.—240.—Comparison stars for Harmonia in 1861.

245.— α Orionis Var. 2. (*Betelgeuse*).—Irregularly variable from 0.9 to 1.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
211	... ..	+ 0.4794	+ 0.0128	...	- 3.684	+ 0.070	...	...
212	112 Tauri β ..	+ 3.7855	+ 0.0082	+ 0.003	- 3.665	+ 0.545	+ 0.20	1681
213	... ..	+ 2.2668	+ 0.0030	...	- 3.619	+ 0.327	...	...
214	R. P. L. 40 ..	+ 18.4863	+ 0.6730	...	- 3.510	+ 2.657	...	1662
215	... ..	+ 0.5163	+ 0.0113	...	- 3.257	+ 0.075	...	...
216	... ..	+ 0.6688	+ 0.0098	...	- 3.178	+ 0.007	...	...
217	A Dora lûs ..	+ 0.8716	+ 0.0081	...	- 3.104	+ 0.127	...	1729
218	119 Tauri ..	+ 3.5138	+ 0.0057	0.000	- 3.101	+ 0.507	+ 0.01	1726
219	34 Orionis δ Var 1 ..	+ 3.0028	+ 0.0038	+ 0.001	- 3.032	+ 0.443	+ 0.04	1730
220	... ..	+ 2.2643	+ 0.0028	...	- 2.917	+ 0.328	...	...
221	11 Leporis α ..	+ 2.6412	+ 0.0029	+ 0.001	- 2.890	+ 0.383	0.00	1741
222	Taylor 2057 ..	+ 0.5898	+ 0.0096	...	- 2.700	+ 0.086	...	...
223	Lalande 10532 ..	+ 3.3476	+ 0.0045	...	- 2.676	+ 0.485	...	...
224	46 Orionis ϵ ..	+ 3.0422	+ 0.0035	- 0.002	- 2.664	+ 0.441	+ 0.01	1765
225	123 Tauri γ ...	+ 3.5824	+ 0.0055	0.000	- 2.644	+ 0.519	+ 0.05	1767
226	Lalande 10607 ..	+ 2.5990	+ 0.0053	...	- 2.549	+ 0.522	...	...
227	... ..	+ 2.1796	+ 0.0020	...	- 2.437	+ 0.317	...	...
228	... ..	+ 2.1902	+ 0.0029	...	- 2.424	+ 0.317	...	...
229	Lacaille 1949... ..	+ 0.3124	+ 0.0106	...	- 2.410	+ 0.046	...	1790
230	Lacaille 1016 ..	+ 2.2600	+ 0.0027	...	- 2.402	+ 0.330	...	...
231	α Columba ..	+ 2.1707	+ 0.0027	+ 0.008	- 2.198	+ 0.316	0.00	1802
232	Taylor 2113 ..	+ 1.0265	+ 0.0031	...	- 2.163	+ 0.280	...	...
233	Lalande 10849 ..	+ 3.6010	+ 0.0046	...	- 1.930	+ 0.524	...	...
234	... ..	+ 3.3309	+ 0.0036	...	- 1.905	+ 0.485	...	...
235	Taylor 2145 ..	+ 1.6080	+ 0.0033	...	- 1.756	+ 0.248	...	1836
236	... ..	+ 2.2727	+ 0.0026	...	- 1.694	+ 0.331	...	...
237	W. B. E. V. 1011 ..	+ 3.3320	+ 0.0034	...	- 1.691	+ 0.485	...	...
238	Taylor 2184 ..	+ 0.6885	+ 0.0060	...	- 1.404	+ 0.101	...	...
239	... ..	+ 1.6330	+ 0.0033	...	- 1.327	+ 0.230	...	...
240	Lalande 11008 ..	+ 3.5978	+ 0.0036	...	- 1.287	+ 0.528	...	...
241	Lacaille 2036 ..	+ 1.0606	+ 0.0028	...	- 1.186	+ 0.286	...	...
242	51 Orionis χ^1 ..	+ 3.5615	+ 0.0034	- 0.016	- 1.180	+ 0.520	+ 0.10	1876
243	... ..	+ 1.7001	+ 0.0030	...	- 1.127	+ 0.248	...	...
244	Lalande 11166 ..	+ 3.3426	+ 0.0030	...	- 1.120	+ 0.487	...	...
245	58 Orionis α Var. 2 ..	+ 3.2450	+ 0.0027	+ 0.001	- 1.052	+ 0.173	0.00	1883

213.—242.—Proper motions from "Greenwich Catalogue 1872"

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
246	... ..	9.0	1	5	49	22.30	121	9	50.3	1	0.08
247	... ..	9.8	1	5	50	19.08	137	10	17.9	1	0.07
248	Lacaille 2073	7.0	1	5	50	35.57	137	12	36.7	1	0.06
249	... ..	9.0	1	5	51	15.48	141	51	59.1	1	0.06
250	Lalande 11293	7.4	4	5	51	40.58	68	24	34.8	4	0.20
251	... ..	8.3	1	5	53	7.51	130	24	57.2	1	0.07
252	... ..	9.5	...	5	54	39.70	137	45	14.2	1	0.07
253	... ..	9.6	1	5	54	53.05	121	30	57.8	1	0.08
254	Lalande 11455	7.4	2	5	55	69.42	79	19	12.1	2	0.06
255	... ..	9.2	1	5	57	4.39	136	1	0.7	1	0.06
256	Taylor 2301	7.0	1	5	58	32.71	148	6	18.3	1	0.10
257	Taylor 2310	6.7	2	5	59	39.88	150	29	6.7	2	0.10
258	67 Orionis ν	4.4	...	5	59	58.69	75	13	7.6	9	0.08
259	... ..	9.8	1	6	0	5.40	121	30	53.3	1	0.08
260	Taylor 2321	6.9	1	6	0	51.72	141	5	27.0	1	0.06
261	... ..	7.0	1	6	0	55.69	137	28	33.1	1	0.10
262	Lalande 11732	8.0	2	6	3	32.74	77	58	54.1	2	0.00
263	... ..	9.2	1	6	3	44.59	129	58	12.0	1	0.09
264	... ..	8.1	1	6	5	47.78	77	51	50.8	1	0.01
265	... ..	9.0	1	6	6	33.10	121	29	26.3	1	0.08
266	7 Geminorum η Var. 6	3.5	...	6	6	50.90	67	27	29.2	2	0.05
267	... ..	9.7	1	6	7	29.89	151	18	28.9	1	0.07
268	... ..	9.5	1	6	7	45.69	137	6	25.1	1	0.06
269	... ..	8.1	2	6	8	55.50	131	54	49.1	2	0.09
270	... ..	9.2	2	6	9	32.89	131	50	55.0	2	0.02
271	... ..	7.6	1	6	11	4.98	149	53	54.8	1	0.02
272	... ..	8.8	1	6	11	50.21	121	31	31.1	1	0.08
273	Lalande 12063	8.0	1	6	12	34.79	68	51	15.5	1	0.00
274	Lalande 12094	9.3	1	6	13	45.87	68	42	4.8	1	0.08
275	Lalande 12120	7.3	2	6	14	15.82	77	4	48.2	2	0.12
276	13 Geminorum μ	3.2	...	6	14	54.82	67	25	18.2	8	0.30
277	Lalande 12155	7.1	2	6	15	8.62	77	22	3.8	2	0.49
278	Taylor 2474	6.3	2	6	18	15.63	121	43	26.4	2	0.00
279	Lacaille 2296	7.0	1	6	18	49.51	153	43	51.0	1	0.03
280	... ..	8.7	1	6	19	51.11	65	39	59.9	1	0.05

250 - 251. - 262. - 264. - 275. - 277. - Comparison stars for Sappho in 1865.
 266 - η Geminorum Var. 6. - Period 229 days. Range, 3rd to 4th magnitude.
 273. - 274. - Comparison stars for Ariadne in 1865.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
246	...	+ 2.2613	+ 0.0024	...	- 0.030	+ 0.330	...	...
247	...	+ 1.6311	+ 0.0030	...	- 0.848	+ 0.238	...	...
248	Lacaille 2073	+ 1.6291	+ 0.0030	...	- 0.823	+ 0.237	...	...
249	...	+ 1.3701	+ 0.0033	...	- 0.765	+ 0.200	...	...
250	Lalande 11293	+ 3.6008	+ 0.0028	...	- 0.728	+ 0.525	...	...
251	...	+ 1.9342	+ 0.0026	...	- 0.602	+ 0.282	...	...
252	...	+ 1.6005	+ 0.0028	...	- 0.467	+ 0.233	...	...
253	...	+ 2.2523	+ 0.0024	...	- 0.447	+ 0.329	...	...
254	Lalande 11455	+ 3.3484	+ 0.0021	...	- 0.350	+ 0.488	...	...
255	...	+ 1.6870	+ 0.0027	...	- 0.256	+ 0.246	...	...
256	Taylor 2301	+ 0.0236	+ 0.0030	...	- 0.127	+ 0.135	...	1954
257	Taylor 2310	+ 0.7105	+ 0.0030	...	- 0.030	+ 0.104	...	...
258	67 Orionis ν	+ 3.4249	+ 0.0017	+ 0.001	- 0.002	+ 0.500	+ 0.02	1958
259	...	+ 2.2522	+ 0.0023	...	+ 0.008	+ 0.329	...	...
260	Taylor 2321	+ 1.4156	+ 0.0026	...	+ 0.076	+ 0.207	...	...
261	...	+ 1.6143	+ 0.0024	...	+ 0.081	+ 0.236	...	...
262	Lalande 11732	+ 3.3567	+ 0.0015	...	+ 0.310	+ 0.490	...	...
263	...	+ 1.9516	+ 0.0023	...	+ 0.329	+ 0.285	...	...
264	...	+ 3.3597	+ 0.0013	...	+ 0.506	+ 0.490	...	...
265	...	+ 2.2533	+ 0.0022	...	+ 0.573	+ 0.329	...	...
266	7 Geminorum η Var. 6.	+ 3.6267	+ 0.0007	- 0.007	+ 0.600	+ 0.529	+ 0.02	2002
267	...	+ 0.6305	+ 0.0016	...	+ 0.656	+ 0.002	...	...
268	...	+ 1.6338	+ 0.0022	...	+ 0.679	+ 0.238	...	...
269	...	+ 1.8729	+ 0.0021	...	+ 0.780	+ 0.273	...	...
270	...	+ 1.8757	+ 0.0021	...	+ 0.836	+ 0.273	...	...
271	...	+ 0.7656	+ 0.0010	...	+ 0.909	+ 0.112	...	...
272	...	+ 2.2530	+ 0.0021	...	+ 1.035	+ 0.328	...	...
273	Lalande 12053	+ 3.5884	+ 0.0002	...	+ 1.100	+ 0.523	...	...
274	Lalande 12094	+ 3.5924	0.0000	...	+ 1.197	+ 0.522	...	...
275	Lalande 12120	+ 3.3782	+ 0.0005	...	+ 1.247	+ 0.487	...	...
276	13 Geminorum μ	+ 3.6268	- 0.0003	+ 0.006	+ 1.304	+ 0.527	+ 0.14	2017
277	Lalande 12155	+ 3.3711	+ 0.0004	...	+ 1.324	+ 0.490	...	...
278	Taylor 2474	+ 2.2451	+ 0.0020	...	+ 1.506	+ 0.326	...	2073
279	Lacaille 2386	+ 0.3636	- 0.0017	...	+ 1.645	+ 0.053	...	2078
280	...	+ 3.6745	- 0.0011	...	+ 1.735	+ 0.533	...	...

258.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	'	"		
281	α Argûs (<i>Canopus</i>)	0.4	...	6	21	0.07	142	37	26.5	2	0.55
282	... ..	9.0	1	6	22	2.33	129	36	37.1	1	0.01
283	Lacaille 2321	7.0	1	6	23	30.63	153	20	55.6	1	0.04
284	Taylor 2524	7.7	1	6	23	32.03	131	8	10.7	1	0.00
285	Taylor 2529	7.0	2	6	24	27.07	130	59	24.2	2	0.11
286	Taylor 2541	6.0	1	6	24	58.20	117	55	6.7	1	0.12
287	... ..	9.2	1	6	27	34.43	128	46	6.1	1	0.06
288	... ..	9.5	1	6	27	51.56	131	5	25.5	1	0.06
289	... ..	6.6	2	6	28	29.22	122	7	37.9	2	0.03
290	... ..	8.0	1	6	28	41.14	151	10	10.6	1	0.10
291	Taylor 2589	6.9	1	6	29	51.53	151	46	57.0	1	0.12
292	24 Geminorum γ	2.0	...	6	30	1.71	73	29	25.2	6	0.10
293	... ..	8.9	1	6	30	48.10	130	55	23.0	1	0.17
294	... ..	9.5	1	6	31	7.71	122	6	52.2	1	0.08
295	... ..	8.0	1	6	31	32.56	130	56	52.6	1	0.01
296	R Monocerotis Var. 1	10.3	1	6	31	54.16	81	8	53.5	1	0.15
297	... ..	8.9	1	6	33	59.67	130	54	26.9	1	0.06
298	... ..	7.9	1	6	34	36.46	130	28	6.4	1	0.01
299	27 Geminorum ϵ	3.2	...	6	35	44.92	64	44	27.2	8	0.11
300	... ..	8.0	1	6	35	53.12	130	38	13.7	1	0.03
301	51 Cephei (<i>Her.</i>)	5.3	...	6	37	9.00	2	45	28.4	10	0.25
302	31 Geminorum ζ	3.4	...	6	37	49.35	76	57	50.5	1	0.57
303	Lacaille 2451	8.2	1	6	38	11.29	155	57	53.7	1	0.06
304	9 Canis Majoris α (<i>Sirius</i>)	-1.4	...	6	39	17.06	106	32	10.5	2	0.06
305	... ..	9.0	1	6	40	30.52	154	13	40.2	1	0.07
306	... ..	8.6	2	6	42	20.38	130	57	9.1	2	0.12
307	... ..	9.3	1	6	42	43.10	130	58	10.2	1	0.07
308	... ..	7.6	3	6	43	46.08	128	30	35.8	3	0.17
309	... ..	9.5	1	6	45	5.62	106	32	50.5	1	0.06
310	Lalande 13279	7.9	2	6	46	36.15	65	35	20.7	3	0.05
311	Lalande 13313	8.5	3	6	47	31.01	65	49	37.9	3	0.37
312	... ..	8.2	1	6	48	34.87	128	48	36.3	1	0.15
313	39 Geminorum	6.7	...	6	50	35.52	63	44	52.1	5	0.08
314	Lacaille 2538	7.1	2	6	51	25.21	114	47	47.0	2	0.10
315	... ..	9.5	1	6	52	48.06	152	54	32.7	1	0.06

296.—R Monocerotis Var. 1.—Irregularly variable from 9.5 to 11.5 magnitude.
 310.—311.—Comparison stars for this in 1861.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
281	α Argus (<i>Canopus</i>)	+ 1.3292	+ 0.0010	0.000	+ 1.836	+ 0.102	0.00	2096
282	"	+ 1.9708	+ 0.0018	...	+ 1.926	+ 0.285	...	...
283	Lacaille 2321	+ 0.4222	- 0.0028	...	+ 2.054	+ 0.060	...	...
284	Taylor 2524	+ 1.9139	+ 0.0018	...	+ 2.058	+ 0.277	...	...
285	Taylor 2529 ...	+ 1.9168	+ 0.0017	...	+ 2.136	+ 0.277	...	2121
286	Taylor 2541	+ 0.9520	- 0.0006	...	+ 2.150	+ 0.137	...	2124
287	"	+ 2.0061	+ 0.0018	...	+ 2.407	+ 0.290	...	...
288	"	+ 1.9148	+ 0.0016	...	+ 2.432	+ 0.276	...	...
289	"	+ 2.2389	+ 0.0018	...	+ 2.466	+ 0.323	...	...
290	"	+ 0.6623	- 0.0025	...	+ 2.504	+ 0.095	...	...
291	Taylor 2580	+ 0.6016	- 0.0031	...	+ 2.606	+ 0.086	...	2166
292	24 Geminorum γ	+ 3.4640	- 0.0015	+ 0.001	+ 2.620	+ 0.500	+ 0.04	2168
293	"	+ 1.9236	+ 0.0016	...	+ 2.687	+ 0.277	...	...
294	"	+ 2.2406	+ 0.0018	...	+ 2.717	+ 0.323	...	...
295	"	+ 1.9230	+ 0.0015	...	+ 2.752	+ 0.277	...	...
296	R Monocerotis Var. 1.	+ 3.2783	- 0.0007	...	+ 2.783	+ 0.473	...	...
297	"	+ 1.9264	+ 0.0015	...	+ 2.964	+ 0.277	...	...
298	"	+ 1.9445	+ 0.0015	...	+ 3.017	+ 0.279	...	...
299	27 Geminorum ϵ	+ 3.6952	- 0.0035	0.000	+ 3.116	+ 0.531	+ 0.02	2194
300	"	+ 1.9357	+ 0.0014	...	+ 3.128	+ 0.278	...	...
301	51 Cephei (<i>Hec.</i>)	+ 3.4626	- 1.8975	- 0.027	+ 3.238	+ 4.384	+ 0.08	2157
302	31 Geminorum ξ	+ 3.3774	- 0.0017	- 0.007	+ 3.295	+ 0.485	+ 0.22	2206
303	Lacaille 2451	+ 0.1157	- 0.0002	...	+ 3.326	+ 0.016	...	...
304	9 Canis Maj. α (<i>Sirius</i>)	+ 2.6908	+ 0.0010	- 0.035	+ 3.420	+ 0.394	+ 1.24	2213
305	"	+ 0.3461	- 0.0076	...	+ 3.526	+ 0.048	...	...
306	"	+ 1.9317	+ 0.0013	...	+ 3.607	+ 0.275	...	...
307	"	+ 1.9312	+ 0.0013	...	+ 3.717	+ 0.275	...	...
308	"	+ 2.0277	+ 0.0013	...	+ 3.808	+ 0.288	...	...
309	"	+ 2.6825	+ 0.0009	...	+ 3.921	+ 0.352	...	...
310	Lalande 13279	+ 3.6663	- 0.0048	...	+ 4.050	+ 0.522	...	...
311	Lalande 13313	+ 3.6593	- 0.0048	...	+ 4.128	+ 0.521	...	...
312	"	+ 2.0208	+ 0.0013	...	+ 4.220	+ 0.286	...	...
313	39 Geminorum	+ 3.7155	- 0.0058	- 0.009	+ 4.301	+ 0.527	- 0.10	2275
314	Lacaille 2538	+ 2.4699	+ 0.0013	...	+ 4.402	+ 0.349	...	2294
315	"	+ 0.5275	- 0.0086	...	+ 4.581	+ 0.073	...	...

291.—Proper motions from "Stone's Cape Catalogue."

301.—302.—313.—Proper motions from "Greenwich Catalogue 1572."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
316	21 Canis Majoris ϵ ...	1.5	..	6	53	23.89	118	47	35.9	4	0.11
317	Taylor 2805 ...	8.0	1	6	56	11.09	69	12	42.8	1	0.03
318	43 Geminorum 3 ^r Var. 1 ..	4.0	..	6	56	12.04	69	14	16.0	2	0.46
319	... ..	9.5	1	6	56	27.29	129	17	33.8	1	0.06
320	Taylor 2825 ...	9.0	1	6	56	54.09	150	54	54.8	1	0.04
321	23 Canis Majoris γ ...	4.1	..	6	57	44.44	105	26	20.8	5	0.27
322	Lalande 13707 ...	8.0	3	6	58	17.04	67	6	54.1	3	0.10
323	W. B. N. VI. 1762 ...	9.4	3	6	58	36.42	70	55	5.3	3	0.09
324	Taylor 2840 ...	8.1	2	6	59	5.32	150	57	0.0	2	0.17
325	47 Geminorum ...	5.5	..	7	3	7.09	62	55	41.5	12	0.09
326	... ..	9.5	1	7	5	4.24	153	52	24.4	1	0.15
327	Taylor 2899 ...	8.5	2	7	5	53.62	130	9	6.3	2	0.16
328	... ..	8.0	1	7	8	11.34	152	5	19.0	1	0.17
329	... ..	8.9	1	7	8	59.68	130	17	37.4	1	0.11
330	55 Geminorum δ ...	3.6	..	7	12	10.67	67	46	33.6	14	0.23
331	... ..	8.0	1	7	12	37.96	152	48	14.7	1	0.20
332	57 Geminorum A ...	5.0	..	7	15	21.84	64	41	50.4	15	0.05
333	Taylor 3005 ...	8.0	1	7	15	31.98	149	1	14.7	1	0.16
334	Lacaille 2505 ...	7.8	1	7	17	23.94	163	8	28.1	1	0.12
335	... ..	9.0	1	7	17	43.06	129	46	30.4	1	0.17
336	... ..	9.0	1	7	18	10.22	129	42	54.3	1	0.17
337	... ..	10.0	2	7	18	57.24	69	15	47.5	2	0.06
338	Lacaille 2807 ...	7.8	1	7	19	36.98	143	15	44.2	1	0.18
339	... ..	9.0	1	7	19	42.63	123	8	20.2	1	0.15
340	... ..	9.5	1	7	19	51.16	153	35	56.8	1	0.20
341	... ..	7.9	1	7	25	32.94	129	18	27.7	1	0.18
342	68 Geminorum ...	5.0	..	7	26	0.87	73	53	26.9	2	0.95
343	66 Geminorum α^* (Castor).	1.6	..	7	26	6.63	57	49	23.8	12	0.21
344	69 Geminorum ν ...	4.2	..	7	27	43.42	62	48	42.6	4	0.06
345	... ..	7.9	1	7	30	41.50	121	54	50.5	1	0.19
346	Taylor 3133 ...	6.7	2	7	31	9.67	65	28	44.4	2	0.01
347	... ..	8.7	1	7	31	10.92	131	10	58.2	1	0.18
348	74 Geminorum f ...	5.2	..	7	31	47.76	72	0	52.3	1	0.20
349	10 Canis Min. α (Procyon).	0.5	..	7	32	20.28	84	26	13.0	16	0.18
350	... ..	9.9	2	7	34	14.55	68	9	14.1	2	0.15

318.—5 Geminorum Var. 1.—Period 10.16 days.—Range, 3.7 to 4.5 magnitude.

323.—Comparison star for Hestia in 1867.

350.—Observed by mistake for Thetis.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
316	21 Canis Majoris ϵ ...	+ 2.3571	+ 0.0013	0.000	+ 4.630	+ 0.332	+ 0.02	2293
317	Taylor 2805 ...	+ 3.5045	- 0.0050	...	+ 4.869	+ 0.502	...	...
318	43 Gem. 3 ^d Var. 1 ...	+ 3.5639	- 0.0050	- 0.001	+ 4.570	+ 0.503	+ 0.01	2305
319	... ..	+ 2.0111	+ 0.0012	...	+ 4.891	+ 0.282	...	...
320	Taylor 2825 ...	+ 0.7424	- 0.0070	...	+ 4.928	+ 0.103	...	...
321	23 Canis Majoris γ ...	+ 2.7145	+ 0.0006	+ 0.002	+ 5.000	+ 0.381	+ 0.01	2319
322	Lalande 13707 ...	+ 3.6183	- 0.0057	...	+ 5.045	+ 0.509	...	...
323	W. R. N. VI. 1762 ...	+ 3.5196	- 0.0049	...	+ 5.073	+ 0.495	...	...
324	Taylor 2840 ...	+ 0.7446	- 0.0074	...	+ 5.113	+ 0.103	...	...
325	47 Geminorum ...	+ 3.7297	- 0.0077	- 0.003	+ 5.455	+ 0.522	+ 0.03	2343
326	... ..	+ 0.4552	- 0.0125	...	+ 5.617	+ 0.062	...	...
327	Taylor 2899 ...	+ 1.0905	+ 0.0010	...	+ 5.687	+ 0.277	...	...
328	... ..	+ 0.6591	- 0.0102	...	+ 5.879	+ 0.089	...	...
329	... ..	+ 1.9895	+ 0.0010	...	+ 5.946	+ 0.274	...	...
330	Geminorum δ ...	+ 3.5915	- 0.0072	0.000	+ 0.212	+ 0.495	+ 0.02	2410
331	... ..	+ 0.6998	- 0.0119	...	+ 0.250	+ 0.080	...	...
332	57 Geminorum A ...	+ 3.6703	- 0.0057	0.000	+ 6.477	+ 0.504	+ 0.02	2431
333	Taylor 3005 ...	+ 0.0651	- 0.0071	...	+ 6.491	+ 0.130	...	...
334	Lacaille 2805 ...	+ 0.6812	- 0.0132	...	+ 6.044	+ 0.077	...	...
335	... ..	+ 2.0226	+ 0.0009	...	+ 6.071	+ 0.275	...	...
336	... ..	+ 2.0255	+ 0.0010	...	+ 6.708	+ 0.275	...	...
337	... ..	+ 3.5486	- 0.0074	...	+ 6.773	+ 0.484	...	...
338	Lacaille 2807 ...	+ 1.4479	- 0.0023	...	+ 6.827	+ 0.196	...	...
339	... ..	+ 2.2516	+ 0.0013	...	+ 6.835	+ 0.306	...	...
340	... ..	+ 0.6478	- 0.0127	...	+ 6.848	+ 0.086	...	...
341	... ..	+ 2.0529	+ 0.0009	...	+ 7.314	+ 0.276	...	...
342	68 Geminorum ...	+ 3.4314	- 0.0066	- 0.004	+ 7.352	+ 0.463	0.00	2486
343	66 Gem. α^3 Castor ...	+ 3.8540	- 0.0133	- 0.013	+ 7.359	+ 0.619	+ 0.08	2485
344	69 Geminorum ν ...	+ 3.7092	- 0.0110	- 0.001	+ 7.490	+ 0.499	+ 0.11	2493
345	... ..	+ 2.3038	+ 0.0012	...	+ 7.731	+ 0.307	...	...
346	Taylor 3133 ...	+ 3.6344	- 0.0102	...	+ 7.768	+ 0.457	...	2514
347	... ..	+ 1.9937	+ 0.0008	...	+ 7.770	+ 0.265	...	...
348	74 Geminorum f ...	+ 3.4718	- 0.0078	0.000	+ 7.820	+ 0.463	- 0.01	2519
349	10 Can. Min. α (Procyon) ...	+ 3.1918	- 0.0041	- 0.045	+ 7.863	+ 0.425	+ 1.08	2522
350	... ..	+ 3.6634	- 0.0094	...	+ 8.016	+ 0.473	...	...

332.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
351	... ..	9.9	2	7	34	52.29	68	10	13.3	2	0.15
352	... ..	9.0	1	7	35	12.72	129	58	16.0	1	0.04
353	... ..	8.0	1	7	35	21.04	153	0	1.9	1	0.19
354	76 Geminorum c ...	5.3	..	7	35	59.85	63	54	7.8	3	0.03
355	... ..	8.0	1	7	35	50.30	129	57	41.8	1	0.04
356	... ..	7.6	1	7	36	53.55	130	51	17.3	1	0.20
357	78 Geminorum β (Pollux).	1.1	...	7	37	10.41	61	39	20.9	11	0.13
358	... ..	10.3	1	7	37	32.39	68	30	8.0	1	0.07
359	... ..	8.2	1	7	37	39.50	130	58	31.3	1	0.18
360	... ..	7.1	2	7	39	11.57	131	9	2.9	2	0.14
361	Lacaille 2971 ...	6.9	1	7	40	22.52	143	55	24.4	1	0.19
362	... ..	9.5	1	7	42	12.51	152	58	22.3	1	0.06
363	... ..	9.2	1	7	44	16.12	130	56	27.5	1	0.15
364	R. P. L. 49 ...	6.5	...	7	44	40.44	5	34	7.3	1	0.18
365	83 Geminorum ϕ ...	4.9	...	7	45	21.37	62	53	35.5	3	0.02
366	Brisbane 1791 ...	8.0	1	7	46	22.47	144	25	7.1	1	0.06
367	Taylor 3293 ...	7.3	2	7	46	35.47	144	44	34.1	2	0.20
368	... ..	8.1	1	7	47	8.14	153	21	15.1	1	0.10
369	U Geminorum Var. 5 ...	10.2	1	7	47	12.75	67	39	6.8	1	0.06
370	... ..	9.5	1	7	48	48.96	129	55	18.4	1	0.20
371	1 Cancri ...	5.9	...	7	49	26.33	73	51	26.2	1	0.12
372	Taylor 3323 ...	7.0	1	7	49	51.25	149	16	9.5	1	0.19
373	W. B. N. VII. 1473 ...	7.5	2	7	53	42.27	64	32	51.7	3	0.06
374	... ..	6.8	1	7	53	47.19	149	53	19.0	1	0.17
375	6 Cancri ...	5.0	...	7	55	20.73	61	50	8.7	3	0.13
376	8 Cancri ...	5.1	...	7	57	39.85	76	30	20.0	1	0.13
377	... ..	9.0	1	7	57	41.32	150	24	35.8	1	0.08
378	... ..	10.2	1	8	0	19.00	78	28	23.3	1	0.06
379	... ..	8.0	2	8	1	25.91	160	31	32.9	2	0.10
380	15 Argus ...	2.9	...	8	1	52.85	113	55	22.8	10	0.16
381	... ..	9.2	1	8	2	18.48	128	39	58.3	1	0.08
382	14 Cancri ϵ^1 ...	8.8	...	8	2	26.11	64	5	31.2	2	0.01
383	... ..	9.6	1	8	4	31.08	154	41	5.1	1	0.21
384	16 Cancri ζ ...	5.4	...	8	4	31.66	71	57	13.9	1	0.05
385	Lacaille 3200 ...	6.8	3	8	4	50.21	153	7	57.4	3	0.11

361.—Groombridge 1350.

369.—U Geminorum Var. 5.—Period 90 days but irregular.—Range, 9th to below 14th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
351		+ 3.5624	- 0.0095	..	+ 8.007	+ 0.472	..	..
352		+ 2.0467	+ 0.0008	..	+ 8.024	+ 0.270	..	..
353		+ 0.6721	- 0.0152	..	+ 8.106	+ 0.097	..	..
354	76 Geminorum c	+ 3.6704	- 0.0124	0.000	+ 8.157	+ 0.485	+ 0.03	2540
355		+ 2.0503	+ 0.0038	..	+ 8.224	+ 0.269	..	..
356		+ 2.0176	+ 0.0009	..	+ 8.228	+ 0.264	..	..
357	78 Gem. β (Pollux)	+ 3.7294	- 0.0128	+ 0.049	+ 8.251	+ 0.491	+ 0.06	2555
358		+ 3.5518	- 0.0095	..	+ 8.279	+ 0.468	..	..
359		+ 2.0148	+ 0.0008	..	+ 8.289	+ 0.264	..	..
360		+ 2.0114	+ 0.0009	..	+ 8.411	+ 0.262	..	..
361	Lacaille 2971	+ 1.4104	- 0.0038	..	+ 8.506	+ 0.182	..	..
362		+ 0.7075	- 0.0158	..	+ 8.650	+ 0.089	..	..
363		+ 2.0303	+ 0.0008	..	+ 8.812	+ 0.262	..	..
364	R. P. L. 49	+ 15.3796	- 1.2263	..	+ 8.845	+ 2.009	..	2585
365	83 Geminorum ϕ	+ 3.6854	- 0.0130	- 0.004	+ 8.898	+ 0.478	+ 0.05	2617
366	Brisbane 1791	+ 1.4010	- 0.0043	..	+ 8.978	+ 0.179	..	..
367	Taylor 3293	+ 1.3818	- 0.0045	..	+ 8.994	+ 0.176	..	..
368		+ 0.6935	- 0.0170	..	+ 9.038	+ 0.086	..	..
369	U Geminorum Var. 5.	+ 3.5627	- 0.0108	..	+ 9.044	+ 0.400	..	..
370		+ 2.0771	+ 0.0010	..	+ 9.168	+ 0.266	..	..
371	1 Cancri	+ 3.4159	- 0.0084	- 0.001	+ 9.217	+ 0.439	+ 0.04	2639
372	Taylor 3293	+ 1.0765	- 0.0095	..	+ 9.249	+ 0.135	..	..
373	W. B. N. VII. 1473.	+ 3.6317	- 0.0130	..	+ 9.547	+ 0.462	..	..
374		+ 1.0451	- 0.0104	..	+ 9.553	+ 0.130	..	..
375	6 Cancri	+ 3.6991	- 0.0148	- 0.005	+ 9.673	+ 0.468	+ 0.07	2672
376	8 Cancri	+ 3.3516	- 0.0079	- 0.003	+ 9.550	+ 0.482	+ 0.05	2690
377		+ 0.4053	- 0.0273	..	+ 9.852	+ 0.048	..	..
378		+ 3.3077	- 0.0074	..	+ 10.062	+ 0.413	..	..
379		+ 1.0905	- 0.0116	..	+ 10.136	+ 0.126	..	..
380	15 Argus	+ 2.5608	+ 0.0009	- 0.007	+ 10.170	+ 0.318	- 0.06	2728
381		+ 2.1510	+ 0.0015	..	+ 10.202	+ 0.260	..	..
382	14 Cancri ϕ^3	+ 3.6311	- 0.0140	- 0.006	+ 10.212	+ 0.452	+ 0.35	2730
383		+ 0.6531	- 0.0217	..	+ 10.373	+ 0.078	..	..
384	10 Cancri 3	+ 3.4450	- 0.0103	+ 0.004	+ 10.373	+ 0.430	+ 0.11	2744
385	Lacaille 3200	+ 0.9151	- 0.0172	..	+ 10.391	+ 0.098	..	..

371.—Proper motions from "Greenwich Catalogue 1872."

376.—Proper motions from "Greenwich Catalogue 1864."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
386	... ..	9.4	1	8	5	36.44	77	25	31.2	1	0.16
387	... ..	9.5	1	8	5	43.67	128	39	18.3	1	0.21
388	... ..	8.0	1	8	6	10.35	128	41	3.0	1	0.15
389	... ..	9.5	1	8	6	12.24	128	40	14.6	1	0.08
390	... ..	9.2	1	8	8	40.56	128	38	56.0	1	0.15
391	W. B. E. VIII. 220	8.0	3	8	9	36.08	99	22	16.2	3	0.19
392	... ..	9.7	1	8	10	9.07	150	47	12.9	1	0.06
393	... ..	9.2	1	8	10	29.29	151	26	51.2	1	0.20
394	... ..	8.0	1	8	11	53.20	152	1	51.5	1	0.19
395	... ..	9.5	1	8	12	1.93	131	43	22.6	1	0.15
396	... ..	8.0	1	8	12	23.81	128	44	13.0	1	0.20
397	... ..	9.4	4	8	13	10.74	131	43	29.3	4	0.17
398	W. B. E. VIII. 383	7.8	3	8	15	35.46	100	19	37.9	4	0.17
399	... ..	9.5	1	8	16	35.60	77	32	20.5	1	0.15
400	... ..	8.7	1	8	17	32.62	77	49	42.9	1	0.17
401	... ..	9.5	1	8	18	1.12	154	23	16.6	1	0.06
402	Taylor 3599	6.9	3	8	20	21.35	144	53	21.0	3	0.19
403	Taylor 3607	6.8	1	8	21	19.61	144	55	57.8	1	0.19
404	... ..	8.0	1	8	21	36.53	131	42	10.0	1	0.15
405	... ..	9.3	1	8	21	41.90	153	18	6.4	1	0.21
406	... ..	7.1	1	8	23	35.39	144	53	42.9	1	0.20
407	33 Cancri η	5.5	...	8	25	0.86	69	6	35.0	10	0.23
408	Taylor 3651	6.7	1	8	25	46.17	130	3	56.7	1	0.13
409	Taylor 3652	7.7	1	8	25	50.31	130	3	15.7	1	0.13
410	... ..	8.0	...	8	26	11.25	145	0	34.9	1	0.09
411	... ..	9.1	1	8	28	48.05	75	19	43.9	1	0.18
412	Lalande 16890	7.9	1	8	28	51.74	73	13	29.5	1	0.19
413	... ..	9.3	1	8	28	57.72	70	41	16.7	1	0.20
414	W. B. N. VIII. 690	9.0	1	8	29	41.42	70	40	16.6	1	0.06
415	... ..	9.0	1	8	31	19.17	129	46	2.1	1	0.21
416	Taylor 3710	7.1	1	8	31	29.53	141	21	41.8	1	0.17
417	... ..	8.4	1	8	34	11.25	154	21	4.6	1	0.15
418	Lacaille 3475	6.0	...	8	34	57.13	152	23	13.8	1	0.26
419	43 Cancri γ	4.8	...	8	35	35.04	68	3	20.7	1	0.26
420	Lacaille 3491	6.9	2	8	36	4.44	152	22	30.1	2	0.19

391.—398.—Comparison star for Phocæ in 1867.

412.—Comparison star for Freia in 1864.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B.A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
386	.. ..	+ 3.3267	- 0.0081	..	+ 10.449	+ 0.410	..	..
387	.. ..	+ 2.1596	+ 0.0016	..	+ 10.453	+ 0.265	..	..
388	.. ..	+ 2.1597	+ 0.0016	..	+ 10.491	+ 0.264	..	..
389	.. ..	+ 2.1603	+ 0.0016	..	+ 10.494	+ 0.263	..	..
390	.. ..	+ 2.1671	+ 0.0017	..	+ 10.678	+ 0.263	..	..
391	W. B. E. VIII. 220.	+ 2.8855	- 0.0015	..	+ 10.747	+ 0.350	..	..
392	.. ..	+ 1.0564	- 0.0120	..	+ 10.757	+ 0.125	..	..
393	.. ..	+ 1.0027	- 0.0133	..	+ 10.811	+ 0.118	..	..
394	.. ..	+ 0.9599	- 0.0146	..	+ 10.915	+ 0.112	..	..
395	.. ..	+ 2.0723	+ 0.0014	..	+ 10.925	+ 0.248	..	..
396	.. ..	+ 2.1736	+ 0.0018	..	+ 10.952	+ 0.261	..	..
397	.. ..	+ 2.0765	+ 0.0015	..	+ 11.020	+ 0.248	..	..
398	W. B. E. VIII. 383.	+ 2.8699	- 0.0014	..	+ 11.185	+ 0.343	..	..
399	.. ..	+ 3.3166	- 0.0085	..	+ 11.253	+ 0.395	..	..
400	.. ..	+ 3.3101	- 0.0084	..	+ 11.320	+ 0.394	..	..
401	.. ..	+ 0.7738	- 0.0207	..	+ 11.361	+ 0.088	..	..
402	Taylor 3599 ..	+ 1.5161	- 0.0039	..	+ 11.529	+ 0.176	..	..
403	Taylor 3607 ..	+ 1.5152	- 0.0038	..	+ 11.538	+ 0.176	..	..
404	.. ..	+ 2.1010	+ 0.0018	..	+ 11.617	+ 0.245	..	..
405	.. ..	+ 0.0056	- 0.0174	..	+ 11.624	+ 0.103	..	..
406	.. ..	+ 1.5314	- 0.0037	..	+ 11.759	+ 0.176	..	..
407	33 Cancri γ	+ 3.4835	- 0.0129	- 0.005	+ 11.500	+ 0.404	+ 0.06	2862
408	Taylor 3651 ..	+ 2.1675	+ 0.0022	..	+ 11.913	+ 0.249	..	..
409	Taylor 3652 ..	+ 2.1681	+ 0.0022	..	+ 11.917	+ 0.249	..	..
410	.. ..	+ 1.5376	- 0.0036	..	+ 11.942	+ 0.175	..	..
411	.. ..	+ 3.3509	- 0.0092	..	+ 12.127	+ 0.384	..	..
412	Lalande 16890	+ 3.3931	- 0.0110	..	+ 12.130	+ 0.380	..	..
413	.. ..	+ 3.4451	- 0.0124	..	+ 12.137	+ 0.395	..	..
414	W. B. N. VIII. 609.	+ 3.4446	- 0.0124	..	+ 12.187	+ 0.394	..	..
415	.. ..	+ 2.1933	+ 0.0014	..	+ 12.290	+ 0.222	..	..
416	Taylor 3710 ..	+ 1.7519	- 0.0006	..	+ 12.312	+ 0.197	..	..
417	.. ..	+ 0.8945	- 0.0197	..	+ 12.497	+ 0.097	..	..
418	Lacaille 3473 ..	+ 1.0784	- 0.0142	..	+ 12.549	+ 0.118	..	2939
419	43 Cancri γ	+ 3.4912	- 0.0143	- 0.011	+ 12.593	+ 0.390	- 0.01	2997
420	Lacaille 3491 ..	+ 1.0573	- 0.0141	..	+ 12.620	+ 0.118	..	2940

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
421	<i>b</i> Velorum...	4.1	...	8	36	12.94	136	10	37.8	2	0.19
422	47 Cancri δ ...	4.3	...	8	37	7.41	71	21	31.0	2	0.16
423	11 Hydre ϵ ...	3.6	...	8	39	43.85	83	5	43.7	9	0.16
424	... ..	7.7	1	8	40	36.21	129	16	13.8	1	0.18
425	... ..	8.4	2	8	45	56.11	66	27	52.2	2	0.15
426	... ..	7.8	1	8	46	50.52	132	53	55.3	1	0.20
427	... ..	7.0	3	8	46	59.78	136	2	35.5	3	0.23
428	R. P. L. 60...	6.3	...	8	47	4.33	5	17	35.5	3	0.33
429	... ..	7.0	1	8	48	51.38	133	1	45.0	1	0.18
430	... ..	7.5	...	8	49	26.63	132	59	40.3	1	0.06
431	... ..	8.8	1	8	50	21.97	132	57	36.6	1	0.06
432	... ..	8.3	2	8	52	22.35	77	33	11.2	2	0.18
433	... ..	8.0	1	8	54	8.10	132	54	22.9	1	0.19
434	... ..	8.5	1	8	54	53.87	130	36	11.6	1	0.18
435	... ..	7.8	2	8	55	14.21	146	57	22.7	2	0.23
436	... ..	7.9	1	8	56	44.33	146	56	26.4	1	0.25
437	... ..	8.9	1	8	58	14.40	146	19	6.1	1	0.25
438	76 Cancri κ ...	5.0	...	9	0	32.61	78	47	54.5	1	0.28
439	... ..	8.3	1	9	4	31.47	132	46	11.8	1	0.16
440	Lacaille 3713...	7.0	1	9	4	40.33	143	49	57.1	1	0.18
441	... ..	9.3	3	9	5	14.64	134	49	2.4	3	0.21
442	Taylor 4026...	7.3	3	9	6	1.72	132	43	26.8	3	0.23
443	Taylor 4028...	8.0	3	9	6	11.69	132	43	39.9	3	0.20
444	... ..	10.0	1	9	7	39.90	134	47	57.5	1	0.24
445	Lacaille 3747...	7.8	5	9	7	49.94	150	24	33.5	5	0.26
446	... ..	8.7	1	9	9	22.46	150	32	31.1	1	0.25
447	Lacaille 3761...	7.3	2	9	9	34.74	150	22	9.9	2	0.27
448	... ..	9.6	1	9	10	18.52	150	26	7.1	1	0.27
449	... ..	7.9	3	9	10	49.09	150	21	34.7	3	0.25
450	... ..	9.5	2	9	11	4.42	70	41	32.1	2	0.15
451	83 Cancri...	6.6	...	9	11	33.26	71	43	58.0	4	0.20
452	... ..	8.7	3	9	12	27.46	124	48	17.5	3	0.20
453	... ..	10.1	2	9	13	6.17	70	32	50.5	2	0.15
454	ϵ Argus...	2.5	...	9	13	32.04	148	43	7.1	1	0.16
455	... ..	8.4	2	9	15	9.17	150	29	30.3	2	0.26

425.—Star for map of δ Hydre Var. 3.

429.—Carrington 1290.

450.—Observed by mistake for Diana.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
421	b Velorum ..	+ 1.9903	+ 0.0018	..	+ 12.635	+ 0.221	..	2947
422	47 Cancri δ	+ 3.4212	- 0.0125	- 0.002	+ 12.607	+ 0.352	+ 0.24	2953
423	11 Hydre ε	+ 3.1962	- 0.0071	- 0.013	+ 12.573	+ 0.351	+ 0.04	2971
424	... ..	+ 2.2366	+ 0.0031	...	+ 12.931	+ 0.244	...	...
425	... ..	+ 3.1340	- 0.0058	...	+ 13.284	+ 0.277	...	...
426	... ..	+ 2.1448	+ 0.0032	..	+ 13.344	+ 0.228	...	...
427	... ..	+ 2.0376	+ 0.0026	..	+ 13.354	+ 0.216	..	...
428	R. P. L. 60 ..	+ 13.8358	- 1.7290	...	+ 13.359	+ 1.499	...	...
429	... ..	+ 2.1478	+ 0.0033	..	+ 13.475	+ 0.226	...	...
430	... ..	+ 2.1511	+ 0.0033	...	+ 13.513	+ 0.226	...	...
431	... ..	+ 2.1560	+ 0.0034	...	+ 13.573	+ 0.226	...	...
432	... ..	+ 3.2876	- 0.0098	..	+ 13.701	+ 0.344	...	...
433	... ..	+ 2.1712	+ 0.0037	...	+ 13.813	+ 0.223	...	...
434	... ..	+ 2.2439	+ 0.0039	...	+ 13.862	+ 0.231	...	...
435	... ..	+ 1.5889	- 0.0030	...	+ 13.883	+ 0.161	...	...
436	... ..	+ 1.5091	- 0.0027	...	+ 13.977	+ 0.161	...	...
437	... ..	+ 1.6428	- 0.0018	...	+ 14.071	+ 0.165	...	...
438	76 Cancri α	+ 3.2588	- 0.0023	- 0.002	+ 14.215	+ 0.329	0.00	3111
439	... ..	+ 2.2150	+ 0.0046	...	+ 14.458	+ 0.218	...	...
440	Lacaille 3713	+ 1.8055	+ 0.0010	...	+ 14.467	+ 0.176	...	...
441	... ..	+ 2.4296	+ 0.0045	..	+ 14.502	+ 0.230	...	...
442	Taylor 4026 ..	+ 2.2223	+ 0.0048	...	+ 14.549	+ 0.217	...	...
443	Taylor 4028 ...	+ 2.2223	+ 0.0048	..	+ 14.559	+ 0.217	...	...
444	... ..	+ 2.4374	+ 0.0046	...	+ 14.647	+ 0.237	...	...
445	Lacaille 3747	+ 1.4651	- 0.0057	...	+ 14.657	+ 0.140	...	...
446	... ..	+ 1.4681	- 0.0057	..	+ 14.749	+ 0.138	...	...
447	Lacaille 3761...	+ 1.4808	- 0.0052	..	+ 14.761	+ 0.140	...	...
448	... ..	+ 1.4822	- 0.0052	..	+ 14.804	+ 0.140	...	...
449	... ..	+ 1.4909	- 0.0050	...	+ 14.834	+ 0.140	...	...
450	... ..	+ 3.3860	- 0.0140	..	+ 14.849	+ 0.326	...	...
451	83 Cancri ..	+ 3.3680	- 0.0134	- 0.012	+ 14.877	+ 0.323	+ 0.16	3171
452	... ..	+ 2.4516	+ 0.0050	..	+ 14.930	+ 0.233	...	...
453	... ..	+ 3.3863	- 0.0142	..	+ 14.968	+ 0.323	...	...
454	Argus ..	+ 1.6106	- 0.0022	..	+ 14.993	+ 0.150	...	3196
455	... ..	+ 1.5157	- 0.0044	..	+ 15.057	+ 0.140	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
456	... ..	8.3	3	9	15	20.97	150	25	4.7	3	0.25
457	... ..	7.5	1	9	15	21.40	143	49	27.4	1	0.17
458	... ..	8.0	1	9	15	43.01	124	47	39.8	1	0.16
459	... ..	9.3	2	9	16	30.58	70	27	25.7	2	0.14
460	... ..	9.7	1	9	16	38.98	124	48	15.3	1	0.24
461	... ..	8.0	1	9	19	6.07	70	22	4.9	1	0.12
462	... ..	8.5	2	9	19	25.17	150	31	25.8	2	0.26
463	... ..	8.7	2	9	19	51.17	125	21	57.8	2	0.17
464	... ..	8.3	1	9	20	34.82	125	23	42.9	1	0.16
465	30 Hydræ a Var. 2	2.0	...	9	21	3.03	98	5	2.5	7	0.20
466	Lalande 18636	...	...	9	21	51.52	68	30	24.0	2	0.21
467	Lalande 18659	...	...	9	22	47.90	67	50	14.1	2	0.24
468	Lalande 18683	...	...	9	23	27.84	68	7	37.3	2	0.20
469	ε Leonis h...	...	...	9	24	49.70	79	41	59.1	2	0.13
470	Lalande 18730	...	...	9	25	2.60	68	38	37.4	3	0.20
471	... ..	8.8	1	9	26	48.02	145	3	14.7	1	0.26
472	Taylor 4222	...	...	9	27	50.21	146	24	8.3	3	0.15
473	... ..	8.5	2	9	28	22.06	146	32	46.0	2	0.17
474	... ..	9.0	3	9	31	28.95	126	26	34.8	3	0.20
475	... ..	8.5	3	9	32	19.09	129	40	39.4	3	0.22
476	R. P. L. 69	...	...	9	33	50.34	2	47	34.6	2	0.24
477	14 Leonis e	...	...	9	34	3.03	79	30	15.0	1	0.20
478	Lacaille 3989	...	...	9	34	35.71	148	34	36.0	1	0.26
479	... ..	9.0	1	9	35	36.00	148	30	24.2	1	0.25
480	... ..	7.7	3	9	35	54.53	148	40	58.7	3	0.23
481	... ..	8.6	1	9	36	53.89	151	54	38.9	1	0.28
482	... ..	6.9	1	9	37	0.22	148	25	5.9	1	0.26
483	... ..	8.0	2	9	37	10.50	148	32	6.1	2	0.26
484	R Leonis Minoris Var. 1...	7.3	3	9	37	35.44	54	52	43.9	3	0.16
485	17 Leonis e	3.1	...	9	38	17.81	65	36	55.4	12	0.20
486	... ..	7.9	1	9	39	44.76	148	34	33.2	1	0.26
487	ι Carinae Var. 1	...	...	9	41	35.09	151	53	45.8	1	0.25
488	... ..	8.0	1	9	41	36.77	130	46	40.3	1	0.14
489	Taylor 4337	...	...	9	41	56.91	145	26	5.4	1	0.26
490	... ..	8.0	1	9	42	40.43	130	48	39.4	1	0.27

459.—461.—Observed by mistake for Diana.

465.—ε Hydræ Var. 2.—Supposed to vary irregularly from 2.0 to 2.5 magnitude.

466.—467.—468.—470.—Comparison stars for Metis in 1861.

476.—Carrington 1418.

484.—R Leonis Minoris Var. 1.—Period 375 days.—Range, 6.5 to below 11th magnitude.

487.—ι Carinae Var. 1.—Period 31 days.—Range, 3.7 to 5.2 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	<i>"</i>	<i>"</i>	<i>"</i>	
456	...	+ 1'5220	- 0'0042	...	+ 15'008	+ 0'140	...	...
457	...	+ 1'8687	+ 0'0026	...	+ 15'098	+ 0'174	...	...
458	...	+ 2'4617	+ 0'0053	...	+ 15'110	+ 0'229	...	...
459	...	+ 3'3827	- 0'0142	...	+ 15'165	+ 0'316	...	...
460	...	+ 2'4643	+ 0'0053	...	+ 15'173	+ 0'228	...	...
461	...	+ 3'3801	- 0'0114	...	+ 15'312	+ 0'311	...	...
462	...	+ 1'5460	- 0'0035	...	+ 15'330	+ 0'138	...	...
463	...	+ 2'4616	+ 0'0056	...	+ 15'355	+ 0'224	...	...
464	...	+ 2'4633	+ 0'0057	...	+ 15'396	+ 0'223	...	...
465	30 Hydre α Var. 2	+ 2'9503	- 0'0013	- 0'004	+ 15'423	+ 0'268	- 0'03	3223
466	Lalande 18636	+ 3'4072	- 0'0158	...	+ 15'467	+ 0'310	...	...
467	Lalande 18659	+ 3'4170	- 0'0161	...	+ 15'519	+ 0'309	...	...
468	Lalande 18683	+ 3'4109	- 0'0150	...	+ 15'556	+ 0'308	...	...
469	ϵ Leonis λ	+ 3'2244	- 0'0092	- 0'002	+ 15'631	+ 0'288	+ 0'02	3251
470	Lalande 18730	+ 3'3992	- 0'0156	...	+ 15'643	+ 0'304	...	...
471	...	+ 1'8863	+ 0'0037	...	+ 15'738	+ 0'164	...	...
472	Taylor 4222	+ 1'8320	+ 0'0029	...	+ 15'796	+ 0'169	...	...
473	...	+ 1'8288	+ 0'0029	...	+ 15'823	+ 0'167	...	...
474	...	+ 2'4762	+ 0'0067	...	+ 15'969	+ 0'211	...	...
475	...	+ 2'4059	+ 0'0072	...	+ 16'034	+ 0'204	...	...
476	R. P. L. 69	+ 10'3895	- 5'7291	...	+ 16'113	+ 1'677	...	...
477	14 Leonis α	+ 3'2193	- 0'0093	- 0'013	+ 16'124	+ 0'272	+ 0'04	3312
478	Lacaille 3980	+ 1'7750	+ 0'0024	...	+ 16'152	+ 0'147	...	...
479	...	+ 1'7865	+ 0'0027	...	+ 16'206	+ 0'147	...	...
480	...	+ 1'7792	+ 0'0026	...	+ 16'220	+ 0'146	...	...
481	...	+ 1'6076	- 0'0016	...	+ 16'271	+ 0'130	...	...
482	...	+ 1'8006	+ 0'0031	...	+ 16'276	+ 0'146	...	...
483	...	+ 1'7970	+ 0'0030	...	+ 16'278	+ 0'146	...	...
484	R Leonis Min. Var. 1.	+ 3'6106	- 0'0276	...	+ 16'306	+ 0'301	...	...
485	17 Leonis ϵ	+ 3'4233	- 0'0180	- 0'004	+ 16'342	+ 0'282	+ 0'02	3331
486	...	+ 1'8150	+ 0'0096	...	+ 16'415	+ 0'146	...	...
487	ι Carinae Var. 1	+ 1'6504	- 0'0001	- 0'003	+ 16'507	+ 0'130	- 0'02	3353
488	...	+ 2'4174	+ 0'0053	...	+ 16'509	+ 0'193	...	...
489	Taylor 4337	+ 1'8390	+ 0'0042	...	+ 16'526	+ 0'145	...	...
490	...	+ 2'4217	+ 0'0084	...	+ 16'568	+ 0'192	...	...

487.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	'	"		
491	... ..	9.5	1	9	44	15.40	148	30	48.0	1	0.26
492	... ..	9.4	2	9	45	4.51	129	48	11.3	2	0.19
493	R. P. L. 70	6.5	...	9	46	50.58	5	26	38.1	3	0.18
494	Taylor 4391	6.8	3	9	47	11.38	152	7	21.0	3	0.19
495	... ..	10.3	1	9	47	16.57	75	34	21.0	2	0.20
496	... ..	8.9	3	9	52	40.72	129	41	32.2	3	0.23
497	29 Leonis π	5.0	...	9	53	10.99	81	19	8.9	14	0.21
498	... ..	9.6	1	9	54	54.39	125	18	14.0	1	0.16
499	... ..	8.0	1	9	55	57.99	147	25	7.3	1	0.25
500	... ..	8.8	2	9	57	54.18	145	33	54.9	2	0.23
501	Taylor 4476	8.0	1	9	57	57.89	145	36	55.7	1	0.15
502	... ..	7.9	1	9	58	31.74	150	39	51.6	1	0.20
503	Taylor 4494	7.1	1	9	58	46.06	151	30	53.2	1	0.23
504	... ..	9.5	3	10	0	3.81	85	23	8.0	3	0.25
505	32 Leonis α (<i>Regulus</i>)	1.4	...	10	1	17.16	77	23	2.0	12	0.10
506	... ..	8.0	1	10	1	28.82	130	2	51.7	1	0.25
507	... ..	8.1	1	10	2	9.03	129	57	19.8	1	0.26
508	... ..	9.3	2	10	2	27.39	123	28	17.3	2	0.19
509	... ..	8.5	1	10	4	33.50	123	54	50.9	1	0.14
510	... ..	9.6	3	10	4	41.51	123	29	41.7	3	0.20
511	Taylor 4552	7.0	1	10	7	8.66	147	24	17.9	1	0.25
512	... ..	7.5	2	10	8	6.86	139	57	11.2	2	0.28
513	... ..	8.7	1	10	9	8.50	139	52	35.8	1	0.25
514	R. P. L. 72	5.9	...	10	9	50.67	5	4	32.2	3	0.58
515	... ..	8.0	1	10	9	58.15	145	35	16.2	1	0.15
516	... ..	9.1	3	10	10	23.25	139	52	5.8	3	0.21
517	41 Leonis γ	2.2	...	10	12	38.14	69	29	13.9	7	0.25
518	... ..	9.5	1	10	12	59.06	128	37	51.6	1	0.29
519	... ..	8.0	3	10	16	6.78	125	33	14.5	3	0.20
520	Lalande 20139	8.8	1	10	16	17.88	75	25	24.9	1	0.13
521	... ..	9.7	1	10	18	52.64	146	9	21.0	1	0.15
522	... ..	9.7	1	10	19	30.33	146	9	36.9	1	0.20
523	... ..	9.5	2	10	21	25.01	125	34	9.7	2	0.18
524	... ..	7.4	3	10	22	17.68	125	32	29.2	3	0.20
525	... ..	8.0	1	10	24	12.38	146	55	1.5	1	0.25

493.—Carrington 1451.

514.—Groombridge 1620.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
491		+ 1'5535	+ 0'0047	...	+ 16'639	+ 0'144	..	...
492	.. ..	+ 2'4535	+ 0'0085	...	+ 16'679	+ 0'102	...	...
493	R. P. L. 70 ..	+ 10'7719	- 1'5829	...	+ 16'764	+ 0'855	...	...
494	Taylor 4381 ..	+ 1'6880	+ 0'0013	..	+ 16'781	+ 0'128	...	3359
495	.. ..	+ 3'2603	- 0'0113	..	+ 16'785	+ 0'253	...	...
496	... ..	+ 2'4875	+ 0'0005	...	+ 17'046	+ 0'184	...	...
497	29 Leonis ν ..	+ 3'1793	- 0'0080	- 0'003	+ 17'062	+ 0'236	+ 0'03	3415
498	.. ..	+ 2'5906	+ 0'0086	...	+ 17'141	+ 0'188	...	..
499	.. ..	+ 1'9944	+ 0'0086	...	+ 17'188	+ 0'143	...	...
500	.. ..	+ 2'0817	+ 0'0099	...	+ 17'275	+ 0'147	...	...
501	Taylor 4476 ..	+ 2'0802	+ 0'0100	...	+ 17'278	+ 0'147	..	...
502	... ..	+ 1'8695	+ 0'0067	...	+ 17'303	+ 0'131	..	...
503	Taylor 4484 ..	+ 1'8287	+ 0'0058	..	+ 17'314	+ 0'128	...	...
504	.. ..	+ 3'1143	- 0'0055	...	+ 17'371	+ 0'220	...	...
505	32 Leonis α (Regulus)	+ 3'2202	- 0'0102	- 0'010	+ 17'424	+ 0'225	- 0'01	3459
506	.. ..	+ 2'5165	+ 0'0105	...	+ 17'433	+ 0'175	..	...
507	... ..	+ 2'5212	+ 0'0105	...	+ 17'461	+ 0'178	...	..
508	... ..	+ 2'6383	+ 0'0084	...	+ 17'475	+ 0'182	...	...
509	.. ..	+ 2'6544	+ 0'0089	...	+ 17'564	+ 0'179	...	...
510	.. ..	+ 2'6455	+ 0'0091	...	+ 17'570	+ 0'178	...	...
511	Taylor 4552 ..	+ 2'0836	+ 0'0116	...	+ 17'672	+ 0'136	...	3491
512	.. ..	+ 2'3260	+ 0'0130	...	+ 17'712	+ 0'151	...	...
513	.. ..	+ 2'3344	+ 0'0131	...	+ 17'754	+ 0'150	...	...
514	R. P. L. 72 ..	+ 10'0320	- 1'6559	- 0'079	+ 17'783	+ 0'669	+ 0'05	3495
515	.. ..	+ 2'1707	+ 0'0129	...	+ 17'788	+ 0'138	...	...
516	.. ..	+ 2'3422	+ 0'0134	...	+ 17'804	+ 0'149	...	...
517	41 Leonis γ ..	+ 3'2979	- 0'0148	+ 0'019	+ 17'804	+ 0'208	+ 0'15	3523
518	.. ..	+ 2'5912	+ 0'0115	...	+ 17'908	+ 0'162	...	...
519	.. ..	+ 2'6536	+ 0'0110	...	+ 18'029	+ 0'161	...	...
520	Lalande 20139 ..	+ 3'2242	- 0'0110	...	+ 18'036	+ 0'198	...	...
521	.. ..	+ 2'2206	+ 0'0152	...	+ 18'138	+ 0'131	...	...
522	.. ..	+ 2'2254	+ 0'0155	..	+ 18'157	+ 0'130	..	...
523	.. ..	+ 2'6735	+ 0'0116	..	+ 18'228	+ 0'154	..	...
524	.. ..	+ 2'6771	+ 0'0116	...	+ 18'260	+ 0'158	...	...
525	... ..	+ 2'2386	+ 0'0166	...	+ 18'328	+ 0'125	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimation.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	"	"	"		
526	... ..	8.4	1	10	24	32.14	146	50	50.6	1	0.25
527	... ..	8.2	2	10	24	53.44	125	34	47.0	2	0.22
528	Lalande 20402 ...	7.7	3	10	25	8.18	79	53	41.9	3	0.27
529	47 Leonis ρ ...	4.0	...	10	25	48.39	80	0	36.7	12	0.19
530	Taylor 4769 ...	5.7	1	10	30	29.30	146	52	12.9	1	0.29
531	... ..	8.8	2	10	31	10.46	151	10	33.7	2	0.19
532	R Ursæ Majoris Var. 1 ...	7.5	3	10	35	11.65	20	31	38.0	3	0.27
533	... ..	9.3	1	10	35	29.86	137	20	28.7	1	0.20
534	... ..	8.2	3	10	35	47.93	146	54	26.2	3	0.27
535	Taylor 4850 ... 1st...	9.0	1	10	38	46.16	148	51	8.2	1	0.32
536	Taylor 4850 ... 2nd...	7.7	1	10	38	49.27	148	51	2.6	1	0.32
537	Taylor 4852 ... 1st...	8.0	1	10	38	59.00	148	52	42.6	1	0.20
538	Taylor 4852 ... 2nd...	8.9	1	10	39	0.53	148	52	46.0	1	0.25
539	Brisbane 3194 ...	8.3	1	10	39	24.40	149	2	41.0	1	0.26
540	... ..	9.0	1	10	39	31.78	139	3	7.0	1	0.31
541	η Argûs Var. 1 ...	8.0	...	10	39	54.45	148	50	11.2	2	0.19
542	Taylor 4872 ...	7.7	1	10	41	11.43	151	14	31.8	1	0.29
543	53 Leonis l ...	5.3	...	10	42	15.87	78	45	7.8	9	0.21
544	... ..	9.5	1	10	42	31.99	148	52	17.9	1	0.20
545	... ..	9.7	1	10	42	32.13	75	5	48.0	1	0.14
546	Taylor 4886 ...	6.9	1	10	42	55.34	187	2	57.7	1	0.18
547	Lacaille 4502 ...	7.0	1	10	46	37.75	141	5	34.5	1	0.06
548	... ..	9.2	1	10	48	3.53	147	43	1.4	1	0.31
549	... ..	8.6	2	10	48	23.73	141	45	48.7	2	0.28
550	... ..	8.7	2	10	48	33.98	148	52	33.3	2	0.23
551	... ..	9.1	...	10	50	39.34	148	49	2.0	1	0.20
552	7 Crateris a ...	4.1	...	10	53	17.78	107	35	29.5	1	0.14
553	58 Leonis d ...	5.0	...	10	53	41.44	85	40	9.7	1	0.29
554	R Crateris Var. 1 ...	8.8	5	10	54	0.99	107	36	43.5	5	0.26
555	... ..	9.1	2	10	54	11.15	107	39	14.8	2	0.31
556	50 Ursæ Majoris a (Double).	2.0	...	10	55	29.92	27	31	54.8	1	0.33
557	... ..	8.9	1	10	57	9.71	145	36	40.6	1	0.20
558	63 Leonis x ...	4.7	...	10	58	9.30	81	56	44.7	15	0.27
559	Lacaille 4612 ...	8.8	1	11	1	1.53	154	47	31.8	1	0.32
560	67 Leonis ...	5.6	...	11	1	40.60	64	27	20.0	1	0.32

552.—R Ursæ Majoris Var. 1.—Period 303 days.—Range, 6th to 13th magnitude.

541.— η Argûs Var. 1.—Irregularly variable from 1st to 9th magnitude.

554.—R Crateris Var. 1.—Changes between 8th and 9th magnitude.

560.—Comparison star for Thalia in 1802.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
526	...	+ 2'2393	+ 0'0163	...	+ 18'340	+ 0'124	...	...
527	...	+ 2'6865	+ 0'0120	...	+ 18'353	+ 0'150	...	...
528	Lalande 20402	+ 3'1679	- 0'0084	...	+ 18'361	+ 0'178	...	...
529	47 Leonis ρ ...	+ 3'1661	- 0'0080	0'000	+ 18'385	+ 0'176	+ 0'03	3609
530	Taylor 4709 ...	+ 2'2922	+ 0'0185	...	+ 18'544	+ 0'119	...	3635
531	...	+ 2'1539	+ 0'0179	...	+ 18'567	+ 0'111	...	...
532	R Ursæ Maj. Var. 1...	+ 4'3635	- 0'1402	...	+ 18'697	+ 0'223	...	...
533	...	+ 2'5492	+ 0'0177	...	+ 18'707	+ 0'120	...	...
534	...	+ 2'3352	+ 0'0202	...	+ 18'717	+ 0'114	...	...
535	Taylor 4850 .. 1st...	+ 2'3043	+ 0'0212	...	+ 18'808	+ 0'109	...	...
536	Taylor 4850 ... 2nd ..	+ 2'3048	+ 0'0211	...	+ 18'809	+ 0'109	...	...
537	Taylor 4852 ... 1st...	+ 2'3055	+ 0'0213	...	+ 18'815	+ 0'108	...	...
538	Taylor 4852 .. 2nd ..	+ 2'3057	+ 0'0212	...	+ 18'816	+ 0'108	...	...
539	Brisbane 3104	+ 2'3043	+ 0'0214	...	+ 18'828	+ 0'108	...	...
540	...	+ 2'5421	+ 0'0191	...	+ 18'831	+ 0'119	...	...
541	γ Argus Var. 1	+ 2'3106	+ 0'0216	...	+ 18'842	+ 0'107	...	3695
542	Taylor 4872 ...	+ 2'2508	+ 0'0220	...	+ 18'881	+ 0'102	...	...
543	53 Leonis l ...	+ 3'1605	- 0'0080	- 0'003	+ 18'912	+ 0'145	+ 0'02	3708
544	...	+ 2'3379	+ 0'0226	...	+ 18'920	+ 0'105	...	...
545	...	+ 3'1901	- 0'0104	...	+ 18'920	+ 0'147	...	...
546	Taylor 4886 ...	+ 2'3982	+ 0'0190	...	+ 18'931	+ 0'117	...	...
547	Lacaille 4502	+ 2'5508	+ 0'0215	...	+ 19'085	+ 0'109	...	...
548	...	+ 2'4187	+ 0'0242	...	+ 19'075	+ 0'101	...	...
549	...	+ 2'5506	+ 0'0222	...	+ 19'085	+ 0'100	...	...
550	...	+ 2'3931	+ 0'0247	...	+ 19'088	+ 0'099	...	...
551	...	+ 2'4189	+ 0'0254	...	+ 19'144	+ 0'097	...	...
552	7 Crateris α ..	+ 2'9605	+ 0'0072	- 0'033	+ 19'211	+ 0'115	- 0'14	3766
553	53 Leonis d ...	+ 3'1009	- 0'0039	- 0'002	+ 19'221	+ 0'120	+ 0'03	3768
554	R Crateris Var. 1	+ 2'9517	+ 0'0068	...	+ 19'230	+ 0'114	...	...
555	...	+ 2'9516	+ 0'0069	..	+ 19'234	+ 0'114	...	...
556	50 Urs. Maj. α (Dubhe).	+ 3'7845	- 0'0821	- 0'017	+ 19'265	+ 0'144	+ 0'00	3777
557	...	+ 2'5432	+ 0'0263	...	+ 19'306	+ 0'092	...	...
558	63 Leonis χ ...	+ 3'1224	- 0'0056	- 0'024	+ 19'329	+ 0'113	+ 0'05	3783
559	Lacaille 4612	+ 2'3494	+ 0'0815	...	+ 19'395	+ 0'079	...	...
560	67 Leonis	+ 3'2335	- 0'0164	+ 0'003	+ 19'398	+ 0'111	+ 0'01	3800

560.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
561	Lalande 21367 ...	7.7	3	11	3	28.25	78	6	45.8	3	0.31
562	Lalande 21366 ...	9.0	2	11	3	30.27	64	8	41.2	2	0.21
563	S Leonis Var. 2 ...	10.5	1	11	3	58.27	83	49	7.3	1	0.14
564	... ..	8.8	1	11	4	27.49	150	15	32.0	1	0.33
565	... ..	9.7	1	11	7	0.36	65	26	3.3	1	0.29
566	68 Leonis δ ...	2.8	...	11	7	1.88	68	41	51.4	12	0.28
567	... ..	8.8	2	11	10	33.27	148	56	48.4	2	0.19
568	... ..	8.0	1	11	11	16.77	127	39	22.7	1	0.34
569	12 Crateris δ ...	3.9	...	11	12	41.55	104	3	33.3	13	0.29
570	77 Leonis σ ...	4.1	...	11	14	16.64	83	14	33.0	3	0.16
571	... ..	8.7	3	11	16	35.51	125	39	59.9	3	0.24
572	... ..	9.3	4	11	18	7.72	125	40	3.3	4	0.21
573	O. A. N. 11812 ...	8.0	1	11	23	20.34	22	58	43.9	1	0.33
574	... ..	9.0	1	11	24	40.74	22	56	53.5	1	0.29
575	... ..	9.7	1	11	24	43.24	146	9	57.8	1	0.29
576	... ..	9.6	1	11	24	50.12	84	43	20.0	1	0.24
577	... ..	9.2	1	11	25	17.49	151	32	29.7	1	0.35
578	... ..	8.9	1	11	25	29.33	129	27	47.0	1	0.14
579	... ..	9.3	2	11	25	32.71	22	56	59.2	2	0.26
580	... ..	10.0	1	11	26	38.75	151	38	55.0	1	0.31
581	... ..	9.7	1	11	26	59.68	151	31	55.4	1	0.33
582	91 Leonis υ ...	4.5	...	11	30	8.31	90	5	24.1	19	0.28
583	... ..	8.0	1	11	34	6.01	127	50	17.3	1	0.14
584	W. B. E. XI. 597 ...	9.2	2	11	34	52.82	88	16	5.2	2	0.29
585	... ..	8.0	1	11	36	12.08	139	41	16.9	1	0.33
586	... ..	7.9	1	11	38	17.86	140	30	48.3	1	0.31
587	... ..	7.9	2	11	41	5.52	149	53	4.8	2	0.35
588	... ..	8.6	2	11	41	17.94	126	31	26.2	2	0.34
589	94 Leonis β (Deneb) ...	2.2	...	11	42	16.43	74	41	5.4	17	0.29
590	6 Virginia β ...	3.7	...	11	43	46.04	87	29	9.6	1	0.21
591	... ..	8.7	4	11	48	34.09	124	55	47.1	4	0.31
592	Lacaille 4956 ...	8.0	1	11	51	18.37	154	34	55.1	1	0.14
593	... ..	9.1	2	11	51	45.86	144	13	55.6	2	0.32
594	R. P. L. 87 ...	8.0	...	11	53	28.07	2	13	53.4	6	0.41
595	... ..	9.4	1	11	52	29.64	154	33	31.4	1	0.14

562.—565.—Comparison stars for Thalia in 1862.

563.—S Leonis Var. 2.—Period 183 days.—Range, 0th to below 13th magnitude.

573.—574.—579.—Comparison stars for Comet 2, 1861.

576.—Observed by mistake for Amphitrite in 1866.

584.—Comparison star for Amphitrite in 1862.

594.—Carrington 1778

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
561	Lalande 21367 ...	+ 3.1408	- 0.0075	...	+ 19.448	+ 0.104	...	...
562	Lalande 21366 ...	+ 3.2302	- 0.0168	...	+ 19.449	+ 0.107	...	...
563	S Leonis Var. 2 ...	+ 3.1071	- 0.0044	...	+ 19.459	+ 0.101	...	...
564	... ..	+ 2.5106	+ 0.0313	...	+ 19.469	+ 0.080	...	...
565	... ..	+ 3.2122	- 0.0156	...	+ 19.521	+ 0.100	...	...
566	68 Leonis δ ...	+ 3.1912	- 0.0132	+ 0.011	+ 19.522	+ 0.098	+ 0.14	3534
567	... ..	+ 2.5969	+ 0.0328	...	+ 19.589	+ 0.073	...	...
568	... ..	+ 2.8545	+ 0.0186	...	+ 19.604	+ 0.080	...	...
569	12 Crateris δ ...	+ 3.0034	+ 0.0064	- 0.009	+ 19.680	+ 0.081	- 0.18	3550
570	77 Leonis ϵ ...	+ 3.1035	- 0.0042	- 0.009	+ 19.657	+ 0.061	+ 0.08	3562
571	... ..	+ 2.8914	+ 0.0182	...	+ 19.607	+ 0.071	...	...
572	... ..	+ 2.8978	+ 0.0184	...	+ 19.721	+ 0.069	...	...
573	O. A. N. 11812 ...	+ 3.5744	- 0.0930	...	+ 19.799	+ 0.075	...	...
574	... ..	+ 3.5569	- 0.0923	...	+ 19.817	+ 0.071	...	...
575	... ..	+ 2.7663	+ 0.0352	...	+ 19.918	+ 0.063	...	...
576	... ..	+ 3.0910	- 0.0028	...	+ 19.819	+ 0.060	...	...
577	... ..	+ 2.7000	+ 0.0415	...	+ 19.825	+ 0.050	...	...
578	... ..	+ 2.9128	+ 0.0210	...	+ 19.828	+ 0.055	...	...
579	... ..	+ 3.5450	- 0.0913	...	+ 19.829	+ 0.068	...	...
580	... ..	+ 2.7127	+ 0.0424	...	+ 19.843	+ 0.048	...	...
581	... ..	+ 2.7182	+ 0.0423	...	+ 19.847	+ 0.048	...	...
582	91 Leonis ν ...	+ 3.0718	+ 0.0003	- 0.003	+ 19.885	+ 0.049	- 0.03	3946
583	... ..	+ 2.9550	+ 0.0210	...	+ 19.926	+ 0.040	...	...
584	W. B. E. XI. 597 ...	+ 3.0765	- 0.0004	...	+ 19.934	+ 0.041	...	...
585	... ..	+ 2.9087	+ 0.0320	...	+ 19.946	+ 0.035	...	...
586	... ..	+ 2.8561	+ 0.0444	...	+ 19.965	+ 0.080	...	...
587	... ..	+ 2.8822	+ 0.0458	...	+ 19.987	+ 0.026	...	...
588	... ..	+ 2.9914	+ 0.0218	...	+ 19.988	+ 0.027	...	...
589	94 Leonis β (Deneb)...	+ 3.1004	- 0.0074	- 0.030	+ 19.995	+ 0.025	+ 0.10	3995
590	5 Virginis β ...	+ 3.0763	- 0.0003	+ 0.048	+ 20.001	+ 0.023	+ 0.28	4002
591	... ..	+ 3.0255	+ 0.0215	...	+ 20.030	+ 0.013	...	...
592	Lacaille 4956 ...	+ 2.9655	+ 0.0598	...	+ 20.040	+ 0.008	...	...
593	... ..	+ 3.0064	+ 0.0410	...	+ 20.042	+ 0.007	...	...
594	R. P. L. 87 ...	+ 4.1825	- 1.2996	...	+ 20.044	+ 0.011	...	...
595	... ..	+ 2.9801	+ 0.0604	...	+ 20.044	+ 0.005	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
596	8 Virginia π	4.4	...	11	54	3.41	82	38	38.8	2	0.21
597	Taylor 5535	8.0	1	11	57	12.75	70	26	30.5	1	0.31
598	... ..	8.3	4	11	59	45.13	144	19	40.6	4	0.33
599	... ..	8.9	2	12	1	46.23	130	2	36.6	2	0.24
600	2 Corvi ϵ	3.1	...	12	3	17.25	111	52	48.9	6	0.30
601	... ..	8.2	1	12	6	21.95	139	29	32.7	1	0.35
602	R. P. L. 90	7.7	...	12	7	3.67	2	19	38.7	1	0.29
603	... ..	9.5	1	12	7	46.79	90	15	17.8	2	0.27
604	15 Virginis η	4.0	...	12	13	6.05	89	55	39.9	12	0.30
605	16 Virginis c	5.2	...	12	13	35.77	55	56	47.9	1	0.21
606	R. P. L. 93	6.5	...	12	14	18.46	1	33	46.6	1	0.71
607	... ..	8.7	2	12	17	32.74	24	44	6.9	3	0.25
608	... ..	7.8	1	12	20	55.80	141	20	17.5	1	0.36
609	W. B. E. XII. 446	8.4	3	12	27	23.00	92	59	8.6	3	0.32
610	9 Corvi β	2.8	...	12	27	24.20	112	39	40.2	4	0.37
611	... ..	9.9	3	12	27	38.36	90	38	40.0	3	0.31
612	Lalande 23532	7.9	3	12	28	37.77	92	48	46.8	3	0.32
613	... ..	8.6	1	12	31	0.69	142	20	42.1	1	0.36
614	R Virginis Var. 2... ..	7.9	1	12	31	45.10	82	16	47.3	1	0.33
615	... ..	9.6	3	12	32	46.04	100	5	42.6	3	0.32
616	... ..	7.0	1	12	32	59.88	28	14	23.3	1	0.39
617	29 Virginis γ ... 1st...	3.1	...	12	34	55.22	90	43	8.5	8	0.29
618	... ..	9.5	1	12	39	38.07	141	55	13.0	1	0.30
619	... ..	9.6	1	12	39	45.51	94	2	52.5	1	0.35
620	... ..	9.7	1	12	42	13.60	147	17	27.9	1	0.29
621	... ..	9.0	1	13	43	1.22	139	26	16.2	1	0.31
622	... ..	9.0	2	12	43	18.50	80	42	19.5	2	0.34
623	... ..	10.6	2	12	43	40.20	80	41	33.6	2	0.41
624	38 Virginis	6.3	...	12	46	22.65	92	49	47.4	2	0.29
625	40 Virginis $\downarrow$	5.0	...	12	47	26.33	98	45	55.6	1	0.22
626	W. B. E. XII. 799	8.5	3	12	47	46.74	80	46	26.6	3	0.25
627	R. P. L. 99	5.6	...	12	48	11.25	5	51	45.1	1	0.41
628	... ..	9.0	2	12	48	38.71	125	26	18.7	2	0.33
629	... ..	7.9	2	12	49	3.50	149	25	18.1	2	0.31
630	12 Canum Venaticorum ...	3.0	...	12	49	46.03	50	57	46.0	7	0.35

602.—Carrington 1816.

606.—Groombridge 1884.

607.—Comparison star for Comet 2, 1861.

609.—612.—Comparison stars for Polyhymnia in 1867.

611.—615.—Comparison stars for Sappho in 1867.

614.—R Virginis Var. 2.—Period 146 days.—Range, 6.6 to 11th magnitude.

619.—Comparison star for Hestia in 1864.

622.—623.—626.—Comparison stars for Iula in 1867.

627.—Groombridge 1940.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in H. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
596	8 Virginis π ...	+ 3.0705	- 0.0022	0.000	+ 20.048	+ 0.002	+ 0.04	4052
597	Taylor 5535 ..	+ 3.0770	- 0.0080	...	+ 20.054	- 0.003	...	...
598	... ..	+ 3.0701	+ 0.0435	...	+ 20.055	- 0.000	...	...
599	... ..	+ 3.0808	+ 0.0273	...	+ 20.054	- 0.012	...	...
600	2 Corvi ϵ ...	+ 3.0798	+ 0.0142	- 0.005	+ 20.053	- 0.016	- 0.01	4097
601	... ..	+ 3.1140	+ 0.0369	...	+ 20.047	- 0.022	...	...
602	R. P. L. 90... ..	+ 2.0580	- 0.2471	...	+ 20.045	- 0.018	...	...
603	... ..	+ 3.0723	+ 0.0024	...	+ 20.043	- 0.024	...	...
604	15 Virginis η ...	+ 3.0720	+ 0.0027	- 0.007	+ 20.022	- 0.035	+ 0.03	4145
605	16 Virginis c ...	+ 3.0665	+ 0.0006	- 0.010	+ 20.019	- 0.036	+ 0.08	4151
606	R. P. L. 93... ..	+ 0.0126	+ 1.0876	- 0.152	+ 20.016	- 0.000	- 0.07	4165
607	... ..	+ 2.8502	- 0.0523	...	+ 19.996	- 0.041	...	...
608	... ..	+ 3.2246	+ 0.0438	...	+ 19.971	- 0.051	...	...
609	W. B. K. XII. 446... ..	+ 3.0804	+ 0.0051	...	+ 19.912	- 0.063	...	...
610	9 Corvi β	+ 3.1386	+ 0.0164	- 0.008	+ 19.912	- 0.064	+ 0.07	4234
611	... ..	+ 3.0994	+ 0.0086	...	+ 19.900	- 0.064	...	...
612	Lalande 23532	+ 3.0808	+ 0.0050	...	+ 19.899	- 0.065	...	...
613	... ..	+ 3.3058	+ 0.0476	...	+ 19.871	- 0.074	...	...
614	R. Virginia Var. 2	+ 3.0471	- 0.0003	...	+ 19.863	- 0.070	...	...
615	... ..	+ 3.1060	+ 0.0091	...	+ 19.850	- 0.074	...	...
616	... ..	+ 2.7149	- 0.0384	...	+ 19.848	- 0.066	...	...
617	29 Virginis γ ... 1st... ..	+ 3.0746	+ 0.0043	- 0.037	+ 19.823	- 0.078	+ 0.05	4268
618	... ..	+ 3.3658	+ 0.0487	...	+ 19.755	- 0.092	...	...
619	... ..	+ 3.0885	+ 0.0062	...	+ 19.753	- 0.086	...	...
620	... ..	+ 3.4535	+ 0.0611	...	+ 19.715	- 0.100	...	...
621	... ..	+ 3.3635	+ 0.0440	...	+ 19.702	- 0.099	...	...
622	... ..	+ 3.0310	- 0.0003	...	+ 19.698	- 0.091	...	...
623	... ..	+ 3.0806	- 0.0003	...	+ 19.692	- 0.092	...	...
624	38 Virginis	+ 3.0854	+ 0.0060	- 0.016	+ 19.646	- 0.090	+ 0.03	4323
625	40 Virginis δ	+ 3.1148	+ 0.0092	- 0.002	+ 19.627	- 0.101	+ 0.04	4330
626	W. B. K. XII. 799	+ 3.0272	- 0.0001	...	+ 19.621	- 0.100	...	...
627	R. P. L. 99... ..	+ 0.3551	+ 0.2244	- 0.017	+ 19.613	- 0.010	- 0.04	4342
628	... ..	+ 3.2726	+ 0.0270	...	+ 19.605	- 0.108	...	...
629	... ..	+ 3.5528	+ 0.0692	...	+ 19.597	- 0.118	...	...
630	12 Can. Venaticorum.	+ 2.8383	- 0.0152	- 0.023	+ 19.584	- 0.098	- 0.06	4346

617.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
631	... ..	9.0	1	12	53	18.29	142	25	3.3	1	0.40
632	... ..	8.0	1	12	53	35.72	135	45	26.4	1	0.35
633	... ..	9.1	1	12	53	48.28	139	19	21.0	1	0.35
634	... ..	9.2	1	12	57	9.26	123	26	10.8	1	0.41
635	Lacaille 3581 ...	7.7	2	12	57	17.02	129	58	5.0	2	0.34
636	... ..	8.3	1	12	58	15.03	124	29	41.2	1	0.36
637	51 Virginis θ ...	4.4	...	13	3	3.88	94	49	42.5	14	0.32
638	Taylor 6057 ...	5.6	1	13	4	0.78	149	12	41.9	1	0.35
639	... ..	9.0	1	13	4	42.50	139	11	32.4	1	0.35
640	... ..	9.3	1	13	4	46.30	143	13	19.7	1	0.33
641	... ..	9.5	1	13	5	47.26	124	17	29.9	1	0.41
642	Lacaille 5434 ...	7.5	1	13	6	9.27	152	52	31.5	1	0.31
643	R. P. L. 101 ...	7.5	...	13	9	53.78	1	38	15.5	2	0.88
644	Taylor 6129 ...	7.0	1	13	12	23.30	130	29	29.3	1	0.36
645	Taylor 6148 ...	7.5	1	13	14	21.75	128	9	17.2	1	0.40
646	Taylor 6160 ...	8.1	2	13	15	45.29	128	55	51.7	2	0.40
647	67 Virginis α (Spica) ...	1.2	...	13	18	11.23	100	27	58.5	10	0.31
648	70 Ursa Majoris 5 ...2nd	4.2	...	13	18	34.75	34	22	57.4	1	0.43
649	O. A. S. 12872 ...	9.8	2	13	19	30.87	116	57	22.7	2	0.37
650	Lacaille 5546 ...	9.0	1	13	19	52.27	143	28	26.2	1	0.39
651	R. P. L. 103 ...	7.3	...	13	20	6.33	4	33	0.6	3	0.52
652	... ..	10.0	1	13	23	26.90	88	39	10.4	1	0.41
653	... ..	8.0	...	13	24	57.90	128	9	38.7	1	0.39
654	... ..	8.2	1	13	25	41.30	128	11	13.8	1	0.31
655	Taylor 6257 ...	8.7	2	13	25	47.57	148	49	20.7	2	0.41
656	76 Virginis λ ...	5.5	...	13	25	57.83	99	28	43.9	1	0.29
657	... ..	8.2	1	13	26	48.45	131	36	7.5	1	0.49
658	79 Virginis 3 ...	3.5	...	13	27	55.04	89	51	54.5	11	0.36
659	Lacaille 5614 ...	8.0	1	13	30	7.29	128	13	3.1	1	0.33
660	Lacaille 5639 ...	7.1	2	13	33	23.78	123	47	0.1	2	0.41
661	... ..	9.5	1	13	34	13.39	129	10	53.7	1	0.41
662	... ..	8.3	1	13	35	53.62	128	4	23.1	1	0.40
663	O. A. S. 13079 ..	9.3	2	13	36	1.73	116	49	34.3	2	0.43
664	... ..	9.2	1	13	36	25.17	128	6	16.7	1	0.29
665	... ..	9.5	1	13	36	42.64	144	39	14.4	1	0.32

643.—Groombridge 2006.

649.—Comparison star for Kenoma in 1943

651.—Groombridge 2007

652.—Comparison star for Europa in 1964

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
631	...	+ 3.4725	+ 0.0522	...	+ 19.515	- 0.125	...	...
632	...	+ 3.3903	+ 0.0407	...	+ 19.609	- 0.123	...	...
633	...	+ 3.4406	+ 0.0465	...	+ 19.484	- 0.127	...	...
634	...	+ 3.2900	+ 0.0268	...	+ 19.435	- 0.126	...	...
635	Lacaille 5381	+ 3.3494	+ 0.0335	...	+ 19.432	- 0.128	...	...
636	...	+ 3.3032	+ 0.0278	...	+ 19.409	- 0.129	...	...
637	51 Virginis θ	+ 3.1028	+ 0.0078	- 0.004	+ 19.301	- 0.132	+ 0.04	4401
638	Taylor 6057	+ 3.6908	+ 0.0729	...	+ 19.278	- 0.158	...	4412
639	...	+ 3.4887	+ 0.0459	...	+ 19.260	- 0.150	...	...
640	...	+ 3.5710	+ 0.0660	...	+ 19.259	- 0.153	...	...
641	...	+ 3.3303	+ 0.0282	...	+ 19.235	- 0.145	...	...
642	Lacaille 5434	+ 3.8151	+ 0.0880	...	+ 19.225	- 0.166	...	...
643	R. P. L. 101	- 10.9683	+ 8.1294	...	+ 19.129	+ 0.472	...	...
644	Taylor 6129	+ 3.4268	+ 0.0353	...	+ 19.062	- 0.163	...	...
645	Taylor 6148	+ 3.4070	+ 0.0828	...	+ 19.009	- 0.166	...	...
646	Taylor 6160	+ 3.4226	+ 0.0338	...	+ 18.969	- 0.170	...	...
647	67 Virginis α (Spica)	+ 3.1547	+ 0.0116	- 0.005	+ 18.899	- 0.163	+ 0.04	4480
648	70 Urs. Maj. 3 2nd...	+ 2.4151	- 0.0172	+ 0.014	+ 18.888	- 0.127	+ 0.05	4486
649	O. A. S. 12872	+ 3.3038	+ 0.0224	...	+ 18.860	- 0.172	...	...
650	Lacaille 5546	+ 3.6886	+ 0.0589	...	+ 18.849	- 0.192	...	...
651	R. P. L. 103	- 2.6818	+ 0.0967	...	+ 18.842	+ 0.126	...	4408
652	...	+ 3.0609	+ 0.0055	...	+ 18.740	- 0.167	...	...
653	...	+ 3.4528	+ 0.0334	...	+ 18.602	- 0.190	...	...
654	...	+ 3.4563	+ 0.0334	...	+ 18.600	- 0.192	...	...
655	Taylor 6257	+ 3.8501	+ 0.0761	...	+ 18.606	- 0.215	...	...
656	76 Virginis λ	+ 3.1539	+ 0.0113	- 0.004	+ 18.600	- 0.176	+ 0.02	4521
657	...	+ 3.5111	+ 0.0370	...	+ 18.638	- 0.197	...	...
658	70 Virginis 3...	+ 3.0713	+ 0.0064	- 0.019	+ 18.598	- 0.176	- 0.06	4532
659	Lacaille 5614	+ 3.4756	+ 0.0337	...	+ 18.524	- 0.202	...	...
660	Lacaille 5639	+ 3.4266	+ 0.0291	...	+ 18.412	- 0.207	...	...
661	...	+ 3.5076	+ 0.0351	...	+ 18.384	- 0.212	...	...
662	...	+ 3.4977	+ 0.0338	...	+ 18.325	- 0.215	...	...
663	O. A. S. 13079	+ 3.3472	+ 0.0229	...	+ 18.320	- 0.207	...	...
664	...	+ 3.5004	+ 0.0339	...	+ 18.306	- 0.216	...	...
665	...	+ 3.5443	+ 0.0642	...	+ 18.295	- 0.237	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
666	Taylor 6306	7.0	1	13	37	5.10	151	47	0.3	1	0.33
667	Lacaille 5659	7.8	1	13	37	20.42	152	14	28.7	1	0.31
668	O. A. S. 13100	8.0	1	13	37	23.78	116	58	37.0	1	0.42
669	... ..	9.5	1	13	37	40.85	123	48	56.7	1	0.41
670	... ..	8.9	1	13	40	40.07	129	24	55.9	1	0.41
671	O. A. S. 13186	8.2	3	13	43	55.24	116	58	24.3	3	0.33
672	O. A. S. 13198	9.1	3	13	44	57.85	117	11	20.6	3	0.34
673	... ..	7.9	2	13	45	34.03	128	23	59.0	2	0.35
674	... ..	9.7	3	13	45	41.51	128	24	5.5	3	0.36
675	X Virginis Var. 5... ..	8.9	6	13	47	23.92	78	16	47.7	6	0.39
676	8 Bootis η	2.9	...	13	48	21.09	70	56	5.0	9	0.38
677	... ..	9.2	1	13	50	11.81	149	55	3.5	1	0.40
678	... ..	9.5	1	13	52	36.60	128	2	18.0	1	0.30
679	... ..	9.7	1	13	53	18.96	135	41	44.5	1	0.41
680	β Centauri	1.2	...	13	54	28.01	149	43	47.9	1	0.33
681	93 Virginis τ	4.4	...	13	54	52.73	67	48	38.3	12	0.35
682	Lacaille 5794	7.0	1	13	57	17.99	152	48	28.8	1	0.31
683	... ..	8.4	2	13	58	25.19	129	20	57.3	2	0.40
684	94 Virginis	7.0	...	13	59	15.37	98	15	20.6	1	0.22
685	95 Virginis	5.7	...	13	59	40.85	98	40	39.6	2	0.37
686	Lalande 25896	7.6	1	14	0	2.58	67	11	45.5	1	0.30
687	... ..	10.2	1	14	0	34.41	150	52	1.7	1	0.40
688	Taylor 6585	7.8	1	14	1	33.07	124	14	56.5	1	0.36
689	... ..	9.2	1	14	2	12.87	124	17	6.0	1	0.41
690	... ..	8.0	2	14	5	14.86	129	21	10.6	2	0.40
691	Lacaille 5844	7.3	1	14	5	17.51	151	4	57.1	1	0.32
692	98 Virginis α	4.3	...	14	5	48.17	99	39	11.4	4	0.26
693	... ..	8.5	3	14	6	20.24	135	2	10.5	3	0.40
694	99 Virginis δ	4.2	...	14	9	2.51	95	21	52.8	2	0.37
695	16 Bootis α (<i>Arcturus</i>)	0.0	...	14	9	35.74	70	7	27.3	14	0.40
696	... ..	9.5	1	14	11	40.28	124	28	24.4	1	0.41
697	100 Virginis λ	4.6	...	14	11	54.98	102	45	20.7	1	0.30
698	W. B. E. XIV. 192	7.5	1	14	12	1.26	103	47	33.0	1	0.29
699	... ..	9.5	1	14	12	42.24	136	50	42.5	1	0.32
700	... ..	9.5	1	14	15	30.26	122	12	25.3	1	0.41

671.—672.—Comparison stars for Atahuta in 1867.

675.—X Virginis Var. 5.—Range, 8.9 to below 12th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
666	Taylor 6366 ...	+ 4.0963	+ 0.0900	...	+ 18.282	- 0.253	...	...
667	Lacaille 5639	+ 4.1188	+ 0.0933	...	+ 18.273	- 0.255	...	...
668	O. A. S. 13100	+ 3.3527	+ 0.0231	...	+ 18.271	- 0.210	...	...
669	... ..	+ 3.4124	+ 0.0202	...	+ 18.261	- 0.215	...	...
670	... ..	+ 3.5395	+ 0.0356	...	+ 18.151	- 0.228	...	...
671	O. A. S. 13186	+ 3.3702	+ 0.0233	...	+ 18.028	- 0.224	...	...
672	O. A. S. 13198	+ 3.3758	+ 0.0234	...	+ 17.988	- 0.226	...	...
673	... ..	+ 3.5431	+ 0.0346	...	+ 17.965	- 0.238	...	...
674	... ..	+ 3.5437	+ 0.0346	...	+ 17.960	- 0.238	...	...
675	X Virginis Var. 5	+ 2.9468	+ 0.0022	...	+ 17.693	- 0.202	...	...
676	8 Bootis η ..	+ 2.8616	- 0.0006	- 0.004	+ 17.855	- 0.199	+ 0.36	4648
677	... ..	+ 4.1372	+ 0.0842	...	+ 17.781	- 0.287	...	...
678	... ..	+ 3.5657	+ 0.0343	...	+ 17.682	- 0.253	...	...
679	... ..	+ 3.7222	+ 0.0453	...	+ 17.653	- 0.265	...	...
680	β Centauri ..	+ 4.1602	+ 0.0841	- 0.310	+ 17.605	- 0.301	+ 0.05	4660
681	93 Virginis γ ..	+ 3.0477	+ 0.0064	+ 0.001	+ 17.587	- 0.221	+ 0.07	4672
682	Lacaille 5794	+ 4.3467	+ 0.0996	...	+ 17.485	- 0.318	...	...
683	... ..	+ 3.6137	+ 0.0361	...	+ 17.437	- 0.268	...	...
684	94 Virginis ...	+ 3.1686	+ 0.0115	- 0.002	+ 17.400	- 0.237	+ 0.01	4688
685	95 Virginis ..	+ 3.1739	+ 0.0119	- 0.010	+ 17.382	- 0.238	- 0.01	4690
686	Lalande 25896	+ 2.7910	- 0.0023	...	+ 17.365	- 0.210	...	...
687	... ..	+ 4.2767	+ 0.0897	...	+ 17.343	- 0.320	...	...
688	Taylor 6585 ...	+ 3.5326	+ 0.0302	...	+ 17.290	- 0.268	...	...
689	... ..	+ 3.5355	+ 0.0302	...	+ 17.271	- 0.269	...	...
690	... ..	+ 3.6419	+ 0.0362	...	+ 17.134	- 0.284	...	...
691	Lacaille 5944	+ 4.3303	+ 0.0912	...	+ 17.181	- 0.335	...	...
692	98 Virginis α ..	+ 3.1908	+ 0.0122	+ 0.001	+ 17.100	- 0.250	- 0.02	4716
693	... ..	+ 3.7733	+ 0.0445	...	+ 17.084	- 0.295	...	...
694	99 Virginis δ ...	+ 3.1391	+ 0.0102	+ 0.001	+ 16.960	- 0.252	+ 0.41	4727
695	16 Bootis α (<i>Arcturus</i>).	+ 2.8132	+ 0.0004	- 0.079	+ 16.934	- 0.227	+ 1.93	4729
696	... ..	+ 3.5710	+ 0.0304	...	+ 16.835	- 0.290	...	...
697	100 Virginis λ ..	+ 3.2309	+ 0.0140	- 0.002	+ 16.824	- 0.264	- 0.02	4743
698	W. B. E. XIV. 192	+ 3.2509	+ 0.0146	...	+ 16.818	- 0.266	...	...
699	... ..	+ 3.5524	+ 0.0477	...	+ 16.786	- 0.314	...	...
700	... ..	+ 3.5416	+ 0.0281	...	+ 16.650	- 0.294	...	...

680.—Proper motions from "Stone's Cape Catalogue."

684.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h</i>	<i>m</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>		
701	Taylor 6740	7.4	1	14	19	16.54	133	43	47.4	1	0.43
702	... ..	8.7	2	14	19	44.67	124	39	11.4	2	0.41
703	... ..	8.0	1	14	20	8.62	127	9	44.7	1	0.43
704	Lacaille 5962	7.0	1	14	22	53.23	129	47	33.6	1	0.33
705	... ..	9.0	1	14	23	7.11	129	46	47.5	1	0.33
706	25 Bootis <i>p</i>	3.6	...	14	26	5.84	59	2	37.4	11	0.40
707	.. ..	9.3	1	14	26	54.52	123	20	51.2	1	0.43
708	... ..	7.5	3	14	29	37.68	124	56	19.9	3	0.43
709	Lacaille 6027	7.9	1	14	31	15.11	122	48	5.5	1	0.42
710	Taylor 6848	7.3	1	14	33	0.34	136	42	7.2	1	0.41
711	<i>a</i> Lupi	2.6	...	14	33	5.77	136	48	54.3	2	0.43
712	... ..	9.0	...	14	33	6.45	126	18	35.1	1	0.40
713	... ..	8.9	1	14	36	44.43	150	18	9.5	1	0.43
714	5 Librae	6.6	...	14	38	37.98	104	53	49.7	2	0.22
715	36 Bootis <i>e</i> (Mirac) ...	2.6	...	14	39	10.65	62	21	49.4	6	0.41
716	... ..	8.3	...	14	40	35.81	127	4	32.7	1	0.39
717	Brisbane 5009	8.0	1	14	41	35.46	131	17	31.3	1	0.44
718	Lalande 27022	7.8	1	14	43	22.05	78	57	10.4	1	0.43
719	9 Librae <i>a</i> ¹	3.0	...	14	43	31.43	105	29	14.5	6	0.38
720	... ..	9.3	1	14	47	43.93	150	41	43.7	1	0.43
721	... ..	8.9	1	14	50	34.91	130	32	59.5	1	0.43
722	O. A. S. 14112	8.1	2	14	51	3.32	109	11	27.7	2	0.46
723	7 Urs. Min. <i>β</i> Var. 1 (Kochab)	2.1	...	14	51	7.85	15	18	2.3	1	0.49
724	Radcliffe 3306	7.5	1	14	56	6.45	42	11	45.8	1	0.41
725	Taylor 7936	6.7	...	14	58	5.83	62	23	49.4	1	0.41
726	43 Bootis <i>ψ</i>	4.5	...	14	53	44.76	62	31	56.3	3	0.44
727	21 Librae <i>r</i> ¹	5.4	...	14	59	12.62	105	44	19.6	1	0.37
728	W. B. E. XV. 7	8.5	1	15	3	30.34	97	21	42.2	1	0.45
729	Taylor 7079	6.6	1	15	3	30.99	123	7	59.1	1	0.44
730	W. B. E. XV. 32	8.2	1	15	3	36.41	97	2	18.4	1	0.43
731	R. P. L. 111	6.9	...	15	5	23.02	5	32	5.3	2	0.42
732	W. B. E. XV 86	9.3	2	15	6	41.06	98	2	34.2	2	0.50
733	27 Librae <i>β</i>	2.7	...	15	9	51.11	68	53	24.7	5	0.39
734	... ..	7.7	1	15	12	2.53	130	24	41.7	1	0.44
735	... ..	9.0	1	15	17	15.97	130	4	21.4	1	0.40

722.—Comparison star for Isis in 1861.

723.—*β* Ursae Minoris Var. 1.—(Kochab).—Supposed to vary irregularly from 2.0 to 2.5 magnitude.

729.—730.—732.—Comparison stars for Comet 2, 1867.

731.—Grombridge 2213.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
701	Taylor 6740	+ 3.8024	+ 0.0423	...	+ 16.464	- 0.323	...	...
702	"	+ 3.6010	+ 0.0306	...	+ 16.441	- 0.308	...	...
703	"	+ 3.6340	+ 0.0334	...	+ 16.421	- 0.313	...	...
704	Lacaille 5962	+ 3.7224	+ 0.0365	...	+ 16.282	- 0.324	...	...
705	"	+ 3.7230	+ 0.0364	...	+ 16.270	- 0.324	...	...
706	25 Bootis ρ	+ 2.5947	- 0.0015	- 0.008	+ 16.117	- 0.233	- 0.14	4608
707	"	+ 3.5982	+ 0.0291	...	+ 16.074	- 0.321	...	...
708	"	+ 3.6395	+ 0.0306	...	+ 15.931	- 0.329	...	...
709	Lacaille 6027	+ 3.6004	+ 0.0284	...	+ 15.844	- 0.329	...	...
710	Taylor 6848	+ 3.9506	+ 0.0469	...	+ 15.749	- 0.364	...	...
711	α Lupi	+ 3.9545	+ 0.0472	...	+ 15.744	- 0.364	...	4530
712	"	+ 3.9807	+ 0.0319	...	+ 15.743	- 0.339	...	...
713	"	+ 4.5532	+ 0.0874	...	+ 15.544	- 0.426	...	...
714	5 Librae	+ 3.2992	+ 0.0152	- 0.003	+ 15.439	- 0.314	+ 0.01	4608
715	36 Bootis ϵ (Mirac)	+ 2.6240	- 0.0001	- 0.005	+ 15.409	- 0.252	- 0.01	4676
716	"	+ 3.7236	+ 0.0326	...	+ 15.329	- 0.357	...	...
717	Brisbane 5069	+ 3.8332	+ 0.0370	...	+ 15.273	- 0.360	...	...
718	Lalande 27022	+ 2.9014	+ 0.0045	...	+ 15.171	- 0.283	...	...
719	9 Librae α^1	+ 3.3145	+ 0.0154	- 0.007	+ 15.163	- 0.324	+ 0.06	4595
720	"	+ 4.0039	+ 0.0883	...	+ 14.920	- 0.460	...	...
721	"	+ 3.8471	+ 0.0363	...	+ 14.751	- 0.386	...	...
722	O. A. S. 14112	+ 3.3881	+ 0.0175	...	+ 14.724	- 0.341	...	...
723	7 Urs. Min. β Var. 1.	- 0.2470	+ 0.1022	- 0.005	+ 14.720	+ 0.018	+ 0.03	4936
724	Radcliffe 8306	+ 2.0174	+ 0.0009	...	+ 14.418	- 0.213	...	4940
725	Taylor 7936	+ 2.5819	+ 0.0011	...	+ 14.298	- 0.270	...	4962
726	43 Bootis ϕ	+ 2.5833	+ 0.0010	- 0.013	+ 14.259	- 0.271	0.00	4909
727	21 Librae ρ^1	+ 3.3377	+ 0.0153	- 0.004	+ 14.230	- 0.349	+ 0.08	4970
728	W. B. E. XV. 7	+ 3.1956	+ 0.0112	...	+ 14.025	- 0.339	...	...
729	Taylor 7079	+ 3.6996	+ 0.0273	...	+ 13.962	- 0.393	...	...
730	W. B. E. XV. 32	+ 3.1906	+ 0.0112	...	+ 13.956	- 0.340	...	...
731	R. P. L. 111	- 6.9100	+ 1.1827	...	+ 13.844	+ 0.723	...	5022
732	W. B. E. XV. 86	+ 3.2095	+ 0.0114	...	+ 13.762	- 0.347	...	...
733	27 Librae β	+ 3.2262	+ 0.0117	- 0.000	+ 13.558	- 0.353	+ 0.01	5084
734	"	+ 3.2152	+ 0.0343	...	+ 13.416	- 0.431	...	...
735	"	+ 3.2251	+ 0.0334	...	+ 13.073	- 0.440	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
736	32 Libræ 3 ¹	6.2	...	15	20	45.60	106	15	30	3	0.32
737	R. P. L. 114	6.9	...	15	21	20.41	2	15	42.4	1	0.95
738	... ..	9.0	1	15	22	42.68	151	37	40.5	2	0.46
739	... ..	9.7	1	15	24	45.15	130	9	34.5	1	0.39
740	... ..	8.3	1	15	25	11.94	122	44	14.9	1	0.51
741	Lacaille 6421	7.8	2	15	25	50.25	122	43	10.8	2	0.50
742	38 Libræ γ	4.0	...	15	28	5.41	104	20	38.8	3	0.35
743	5 Cav. Bat. α (Alpha) ...	2.4	...	15	29	3.41	62	50	10.4	4	0.47
744	... ..	10.0	1	15	29	10.22	119	38	26.6	1	0.51
745	... ..	9.7	1	15	29	23.71	119	41	3.9	1	0.51
746	Lalande 28530	8.0	1	15	31	56.46	47	25	55.4	1	0.37
747	Taylor 7300	7.7	2	15	32	24.92	103	37	10.4	2	0.40
748	... ..	9.9	1	15	33	47.51	126	35	48.5	1	0.39
749	24 Serpentina α	2.7	...	15	37	43.04	83	9	13.7	10	0.49
750	O. A. S. 14874	8.0	1	15	39	38.29	104	49	12.1	1	0.40
751	Lalande 28787	8.8	1	15	42	15.43	92	49	28.0	1	0.52
752	... ..	9.5	1	15	42	19.88	104	24	56.6	1	0.39
753	... ..	10.5	1	15	42	39.97	61	47	14.2	1	0.41
754	O. A. S. 14934	9.7	1	15	42	50.76	107	52	58.2	1	0.51
755	... ..	9.0	1	15	44	7.97	101	22	9.7	1	0.39
756	W. B. E. XV. 838	8.0	1	15	44	0.90	104	27	34.5	1	0.43
757	36 Serpentina δ	5.2	...	15	44	20.20	92	41	9.3	1	0.52
758	46 Libræ θ	4.3	...	15	46	15.24	106	20	13.6	1	0.38
759	O. A. S. 14996	8.9	1	15	46	41.14	105	16	1.1	1	0.40
760	R. P. L. 115	6.9	...	15	48	8.46	4	44	20.3	2	0.49
761	O. A. S. 15053	8.0	2	15	49	12.33	105	26	29.7	2	0.50
762	W. B. E. XV. 928	9.8	1	15	49	28.16	104	56	37.5	1	0.51
763	O. A. S. 15146	9.5	1	15	54	57.22	107	29	20.3	1	0.39
764	O. A. S. 15148	8.9	1	15	54	59.57	107	47	53.6	1	0.46
765	W. B. E. XV. 1044	7.7	2	15	55	50.51	96	27	43.4	2	0.46
766	1 Scorpii δ ¹	2.9	...	15	57	42.38	109	26	20.2	7	0.50
767	Lalande 29306	8.0	1	15	59	30.58	107	34	29.4	1	0.40
768	14 Scorpii ν	4.2	...	16	4	16.02	109	6	45.7	4	0.49
769	1 Ophiuchi δ	2.8	...	16	7	22.02	93	20	80.5	2	0.50
770	Lalande 29610	8.0	...	16	8	20.45	105	32	59.9	1	0.53

737.—Groombridge 2283.

742.—Comparison star for Comet 2, 1907.

746.—765.—Comparison stars for Comet 2, 1862.

747.—750.—755.—756.—759.—761.—762.—Comparison stars for Asia in 1861.

761.—767.—770.—Comparison stars for Donati's Comet in 1858.

764.—763.—764.—767.—Comparison stars for Sylvia in 1866.

760.—Carrington 2380.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R.A.C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
736	32 Libræ 3 ¹ ..	+ 3.3715	+ 0.0148	- 0.002	+ 12.840	- 0.354	+ 0.05	5089
737	R. P. L. 114 ..	- 22.0852	+ 7.7277	..	+ 12.501	+ 2.575	..	5140
738	.. ..	+ 4.9872	+ 0.0862	..	+ 12.700	- 0.567	..	..
739	.. ..	+ 3.9513	+ 0.0327	..	+ 12.570	- 0.454	..	..
740	.. ..	+ 3.7430	+ 0.0252	..	+ 12.540	- 0.431	..	..
741	Lacaille 6421 ..	+ 3.7440	+ 0.0252	..	+ 12.496	- 0.433	..	..
742	38 Libræ γ ..	+ 3.3417	+ 0.0136	+ 0.002	+ 12.340	- 0.389	- 0.02	5134
743	5 Cor. Bor. α (Alpha) ..	+ 2.5295	+ 0.0023	+ 0.009	+ 12.274	- 0.297	+ 0.07	5143
744	.. ..	+ 3.6740	+ 0.0224	..	+ 12.266	- 0.429	..	..
745	.. ..	+ 3.6755	+ 0.0224	..	+ 12.249	- 0.429	..	..
746	Lalande 28530 ..	+ 2.0916	+ 0.0025	..	+ 12.073	- 0.249	..	..
747	Taylor 7300 ..	+ 3.3312	+ 0.0131	..	+ 12.010	- 0.393	..	..
748	.. ..	+ 3.8097	+ 0.0278	..	+ 11.944	- 0.458	..	..
749	24 Serpentis α ..	+ 2.9415	+ 0.0062	+ 0.009	+ 11.666	- 0.354	- 0.05	5196
750	O. A. S. 14874 ..	+ 3.3616	+ 0.0133	..	+ 11.529	- 0.405	..	..
751	Lalande 28757 ..	+ 3.1266	+ 0.0088	..	+ 11.341	- 0.381	..	..
752	.. ..	+ 3.3556	+ 0.0130	..	+ 11.335	- 0.409	..	..
753	.. ..	+ 2.4796	+ 0.0027	..	+ 11.311	- 0.304	..	..
754	O. A. S. 14934 ..	+ 3.4297	+ 0.0145	..	+ 11.287	- 0.418	..	..
755	.. ..	+ 3.3562	+ 0.0129	..	+ 11.205	- 0.414	..	..
756	W. H. E. XV. 838 ..	+ 3.3580	+ 0.0130	..	+ 11.203	- 0.411	..	..
757	36 Serpentis b ..	+ 3.1242	+ 0.0087	- 0.004	+ 11.190	- 0.395	+ 0.02	5246
758	46 Libræ θ ..	+ 3.3992	+ 0.0136	+ 0.009	+ 11.050	- 0.418	- 0.12	5257
759	O. A. S. 14996 ..	+ 3.3770	+ 0.0131	..	+ 11.019	- 0.416	..	..
760	R. P. L. 115 ..	- 10.4533	+ 1.5433	..	+ 10.912	+ 1.274	..	..
761	O. A. S. 15053 ..	+ 3.3829	+ 0.0131	..	+ 10.834	- 0.420	..	..
762	W. H. E. XV. 923 ..	+ 3.3720	+ 0.0128	..	+ 10.815	- 0.419	..	..
763	O. A. S. 15146 ..	+ 3.4322	+ 0.0135	..	+ 10.407	- 0.432	..	..
764	O. A. S. 15148 ..	+ 3.4300	+ 0.0137	..	+ 10.404	- 0.433	..	..
765	W. H. E. XV. 1044 ..	+ 3.1817	+ 0.0092	..	+ 10.330	- 0.402	..	..
766	8 Scorpil δ ¹ ..	+ 3.4753	+ 0.0142	- 0.002	+ 10.200	- 0.411	+ 0.02	5329
767	Lalande 29306 ..	+ 3.4385	+ 0.0132	..	+ 10.057	- 0.438	..	..
768	14 Scorpil γ ..	+ 3.4776	+ 0.0136	- 0.002	+ 9.702	- 0.448	+ 0.03	5382
769	1 Ophiuchi δ ..	+ 3.1411	+ 0.0081	- 0.006	+ 9.464	- 0.405	+ 0.13	5414
770	Lalande 29610 ..	+ 3.4010	+ 0.0119	..	+ 9.388	- 0.442	..	..

736.—759.—Proper motions from "Greenwich Catalogue 1872."

757.—Proper motions from "Greenwich Catalogue 1864."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
771	O. A. S. 15470 ...	8.0	1	16	9	19.13	112	35	29.5	1	0.41
772	R Scorpii Var. 1 ...	9.5	2	16	9	48.59	112	36	49.3	2	0.51
773	S Scorpii Var. 2 ...	10.0	4	16	9	44.87	112	33	44.2	4	0.42
774	...	8.7	1	16	9	53.80	112	34	4.3	1	0.51
775	...	8.0	1	16	14	27.36	146	11	32.2	1	0.50
776	4 Ophiuchi ♀ ...	4.6	...	16	16	19.36	109	43	25.2	2	0.45
777	O. A. S. 15613 ...	7.9	1	16	17	25.94	113	9	2.8	1	0.49
778	21 Scorpii α (<i>Antares</i>)	1.1	...	16	21	15.38	116	8	1.4	1	0.52
779	40 Hercules 5 ...	3.1	...	16	36	16.28	58	9	17.4	3	0.51
780	Lacaille 6984 ...	8.7	1	16	39	54.74	120	57	45.5	1	0.50
781	...	9.3	1	16	44	47.50	130	18	30.3	1	0.51
782	...	10.3	1	16	45	1.68	75	17	3.9	1	0.51
783	Taylor 7815 ...	7.5	1	16	45	42.30	130	18	13.2	1	0.51
784	8 Hercules Var. 3 ...	6.9	1	16	45	50.51	74	49	57.9	1	0.59
785	49 Hercules ...	7.0	1	16	46	1.33	74	48	3.2	1	0.50
786	Taylor 7832 ...	8.0	1	16	47	41.26	130	17	49.5	1	0.51
787	Taylor 7842 ...	6.8	...	16	48	21.27	106	35	29.0	1	0.53
788	...	8.0	...	16	49	5.74	125	31	35.6	1	0.56
789	27 Ophiuchi α ...	3.4	...	16	51	22.35	80	24	57.6	3	0.48
790	29 Ophiuchi ...	6.8	...	16	54	4.72	108	41	13.9	1	0.30
791	O. A. S. 16233 ...	8.0	1	16	54	9.45	110	23	50.8	1	0.58
792	...	8.3	1	16	55	27.43	109	56	49.5	1	0.56
793	O. A. S. 16289 ...	7.7	1	16	56	39.03	119	50	24.5	1	0.61
794	22 Ursa Minoris ε ...	4.5	...	16	59	42.41	7	44	59.5	2	0.07
795	R Ophiuchi Var. 3 ...	7.9	3	17	0	7.85	105	54	46.4	3	0.43
796	35 Ophiuchi γ ...	2.6	...	17	2	44.95	105	33	26.5	2	0.49
797	...	8.0	1	17	5	56.72	130	50	29.0	1	0.61
798	...	9.0	1	17	6	19.26	130	54	14.7	1	0.58
799	64 Hercules α Var. 1 ...	3.2	...	17	8	31.96	75	27	21.8	3	0.52
800	Taylor 8017 ...	6.9	1	17	13	32.30	114	46	8.3	1	0.42
801	42 Ophiuchi θ ...	3.4	...	17	13	50.56	114	51	49.7	4	0.52
802	...	8.5	2	17	21	16.71	130	43	45.4	2	0.53
803	...	9.3	1	17	21	25.74	130	45	50.2	1	0.53
804	...	9.7	1	17	27	14.81	150	35	45.1	1	0.53
805	23 Draconis β ...	3.0	...	17	27	25.61	37	35	57.1	1	0.60

771.—774.—Stars observed for map of R Scorpii Var. 1.

772.—R Scorpii Var. 1.—Period 323 days.—Range, 9th to below 14th magnitude.

773.—S Scorpii Var. 2.—Period 177 days.—Range, 9th to below 14th magnitude.

777.—Comparison star for Angelina in 1966.

784.—8 Hercules Var. 3.—Period 303 days.—Range, 6th to 12th magnitude.

791.—792.—Stars observed for map of T Serpentis Var. 4.

795.—R Ophiuchi Var. 2.—Period 303 days.—Range, 7.5 to below 14th magnitude.

799.—α Hercules Var. 1.—Changes irregularly between 3rd and 4th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
771	O. A. S. 15170	+ 3.5648	+ 0.0147	...	+ 9.313	- 0.464	..	..
772	R Scorpii Var. 1.	+ 3.5638	+ 0.0147	...	+ 9.282	- 0.465	...	...
773	S Scorpii Var. 2.	+ 3.5646	+ 0.0146	...	+ 9.280	- 0.465	...	...
774	..	+ 3.5649	+ 0.0147	...	+ 9.267	- 0.465	...	...
775	..	+ 4.8608	+ 0.0492	..	+ 8.912	- 0.638	...	...
776	4 Ophiuchi γ .	+ 3.5032	+ 0.0128	- 0.004	+ 8.766	- 0.464	+ 0.06	5407
777	O. A. S. 15613	+ 3.5875	+ 0.0141	...	+ 8.679	- 0.476	...	...
778	21 Scorpii α (Antares)	+ 3.6681	+ 0.0150	- 0.001	+ 8.376	- 0.491	+ 0.03	5498
779	40 Hercules 5	+ 2.2964	+ 0.0033	- 0.034	+ 7.105	- 0.316	- 0.45	5604
780	Lacaille 6984	+ 3.8258	+ 0.0140	...	+ 6.867	- 0.529	...	5622
781	..	+ 4.1458	+ 0.0192	...	+ 6.463	- 0.375	...	...
782	..	+ 2.7396	+ 0.0039	...	+ 6.443	- 0.381	...	...
783	Taylor 7815	+ 4.1471	+ 0.0191	...	+ 6.388	- 0.376	...	...
784	S Hercules Var. 3	+ 2.7825	+ 0.0039	...	+ 6.376	- 0.380	...	...
785	49 Hercules	+ 2.7276	+ 0.0040	- 0.001	+ 6.361	- 0.381	- 0.02	5674
786	Taylor 7832	+ 4.1499	+ 0.0186	...	+ 6.223	- 0.578	...	...
787	Taylor 7842	+ 3.4512	+ 0.0089	...	+ 6.168	- 0.482	...	5686
788	..	+ 3.9815	+ 0.0156	...	+ 6.106	- 0.556	...	...
789	27 Ophiuchi α	+ 2.8563	+ 0.0044	- 0.023	+ 5.916	- 0.402	- 0.02	5703
790	29 Ophiuchi	+ 3.5037	+ 0.0059	- 0.001	+ 5.690	- 0.492	- 0.01	5723
791	O. A. S. 16213	+ 3.5459	+ 0.0063	...	+ 5.683	- 0.498	...	...
792	..	+ 3.5383	+ 0.0091	...	+ 5.574	- 0.498	...	...
793	O. A. S. 16283	+ 3.8100	+ 0.0119	...	+ 5.473	- 0.537	...	...
794	22 Ursæ Minoris ϵ	- 6.4154	+ 0.3048	+ 0.009	+ 5.215	+ 0.901	- 0.01	5780
795	R Ophiuchi Var. 2	+ 3.4604	+ 0.0077	...	+ 5.179	- 0.487	...	...
796	35 Ophiuchi γ	+ 3.4327	+ 0.0073	+ 0.001	+ 4.958	- 0.487	- 0.12	5791
797	..	+ 4.1960	+ 0.0148	..	+ 4.686	- 0.597	..	...
798	..	+ 4.1957	+ 0.0146	...	+ 4.656	- 0.598	...	...
799	64 Hercules α Var. 1.	+ 2.7339	+ 0.0035	- 0.003	+ 4.461	- 0.301	- 0.04	5891
800	Taylor 8017	+ 3.0764	+ 0.0090	...	+ 4.037	- 0.527	..	5940
801	42 Ophiuchi θ	+ 3.6791	+ 0.0080	- 0.003	+ 4.012	- 0.528	- 0.02	5851
802	..	+ 4.2069	+ 0.0111	..	+ 3.372	- 0.606	...	..
803	..	+ 4.2084	+ 0.0111	..	+ 3.359	- 0.606	...	..
804	..	+ 5.4203	+ 0.0219	...	+ 2.855	- 0.783	...	...
805	23 Draconis β	+ 1.3534	+ 0.0052	- 0.003	+ 2.841	- 0.197	0.00	5997

799.—Proper motions from "Greenwich Catalogue 1872."

790.—Proper motions from "Greenwich Catalogue 1864."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimation.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
806	55 Ophiuchi α ...	2.2	...	17	28	45.61	77	20	28.0	8	0.55
807	Taylor 8141 ...	6.0	1	17	30	45.68	111	49	52.0	1	0.30
808	... ..	9.9	2	17	34	46.39	128	35	29.0	2	0.61
809	... ..	9.9	1	17	34	46.51	126	15	7.4	1	0.56
810	... ..	9.2	1	17	36	18.98	150	36	11.9	1	0.51
811	58 Ophiuchi ...	5.0	...	17	36	27.93	111	36	55.7	1	0.30
812	... ..	9.4	1	17	36	39.44	150	37	13.4	1	0.51
813	... ..	9.0	1	17	37	52.05	126	29	24.4	1	0.58
814	... ..	8.0	1	17	39	45.53	127	21	43.8	1	0.52
815	... ..	8.0	1	17	39	56.07	127	14	41.1	1	0.56
816	... ..	8.3	1	17	40	7.93	126	28	26.9	1	0.60
817	86 Hercules μ ...	3.5	...	17	41	15.21	62	11	59.4	6	0.54
818	Radcliffe 3765 ...	8.3	1	17	43	41.47	17	32	1.3	1	0.59
819	... ..	8.6	2	17	45	13.75	128	35	22.5	3	0.53
820	Lacaille 7499 ...	7.1	3	17	48	27.76	129	4	44.4	3	0.60
821	Taylor 8258 ...	6.0	1	17	48	40.02	105	47	10.7	1	0.46
822	Lacaille 7504 ...	6.9	1	17	48	44.46	129	6	53.1	1	0.59
823	4 Sagittarii δ ...	4.6	...	17	51	40.31	113	48	1.8	1	0.64
824	... ..	9.0	2	17	59	36.77	150	26	10.2	2	0.57
825	13 Sagittarii μ^1 ...	4.1	...	18	5	49.46	111	5	26.9	9	0.56
826	Lacaille 7644 ...	6.7	1	18	9	9.68	132	19	59.6	1	0.52
827	... ..	8.8	1	18	13	7.00	127	48	58.4	1	0.58
828	23 Ursa Minoris δ ...	4.3	...	18	15	14.99	3	23	41.4	4	0.42
829	21 Sagittarii ...	4.9	...	18	17	25.61	110	36	36.7	1	0.52
830	Taylor 8509 ...	4.7	...	18	21	36.94	104	38	52.2	2	0.56
831	... ..	9.0	...	18	23	14.79	135	15	42.2	1	0.58
832	θ Coronae Australis ...	6.6	1	18	23	59.97	132	24	17.6	1	0.59
833	... ..	10.3	1	18	29	30.48	136	55	20.1	1	0.51
834	... ..	9.0	2	18	39	39.22	135	51	47.2	2	0.54
835	3 Lyrae α (Vega) ...	0.2	...	18	32	26.04	51	20	19.3	6	0.59
836	... ..	9.3	1	18	35	12.89	137	16	7.4	1	0.52
837	... ..	9.3	1	18	36	2.46	137	10	53.1	1	0.56
838	... ..	9.0	1	18	40	37.19	127	27	35.5	1	0.66
839	10 Lyrae δ Var. 1 ...	8.6	...	18	45	10.07	55	47	26.0	13	0.59
840	... ..	8.2	1	18	46	2.94	126	40	44.3	1	0.51

809.—813.—814.—815.—819.—820.—822.—832.—834.—836.—837.—Comparison stars for Donati's Comet of 1858.

839.— δ Lyrae Var. 1.—Period 12.91 days.—Range, 3.5 to 4.5 magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
806	55 Ophiuchi a	+ 2.7746	+ 0.0030	+ 0.01	+ 2.726	- 0.402	+ 0.20	5941
807	Taylor 8141	+ 3.6033	+ 0.0054	...	+ 2.552	- 0.322	...	5954
808	... ..	+ 4.1320	+ 0.0072	...	+ 2.203	- 0.600	...	...
809	... ..	+ 4.0467	+ 0.0069	...	+ 2.208	- 0.587	...	...
810	... ..	+ 5.4325	+ 0.0162	...	+ 2.068	- 0.797	...	...
811	58 Ophiuchi	+ 3.5080	+ 0.0050	- 0.010	+ 2.143	- 0.523	- 0.04	5987
812	... ..	+ 5.4346	+ 0.0155	...	+ 2.039	- 0.790	...	...
813	... ..	+ 4.0565	+ 0.0064	...	+ 1.934	- 0.590	...	...
814	... ..	+ 4.0880	+ 0.0060	...	+ 1.768	- 0.595	...	...
815	... ..	+ 4.0818	+ 0.0060	...	+ 1.753	- 0.594	...	...
816	... ..	+ 4.0568	+ 0.0057	...	+ 1.736	- 0.591	...	...
817	86 Hercules μ	+ 2.3695	+ 0.0025	- 0.026	+ 1.639	- 0.346	+ 0.74	6021
818	Radeliffe 3765	- 1.1480	+ 0.0163	...	+ 1.426	+ 0.166	...	...
819	... ..	+ 4.1368	+ 0.0049	...	+ 1.292	- 0.608	...	...
820	Lacaille 7499	+ 4.1565	+ 0.0042	...	+ 1.009	- 0.605	...	...
821	Taylor 8288	+ 3.4496	+ 0.0029	...	+ 0.991	- 0.508	...	6065
822	Lacaille 7504	+ 4.1580	+ 0.0042	...	+ 0.985	- 0.606	...	...
823	4 Sagittarii b	+ 3.6615	+ 0.0028	- 0.003	+ 0.729	- 0.534	+ 0.04	6077
824	... ..	+ 5.4292	+ 0.0012	...	+ 0.034	- 0.792	...	...
825	13 Sagittarii μ^1	+ 3.5876	+ 0.0009	- 0.004	- 0.508	- 0.523	+ 0.01	6168
826	Lacaille 7614	+ 4.2892	- 0.0010	...	- 0.601	- 0.625	...	...
827	... ..	+ 4.1081	- 0.0015	...	- 1.147	- 0.508	...	...
828	23 Ursa Minoris δ	- 19.4138	- 0.4457	+ 0.048	- 1.333	+ 2.831	- 0.03	6251
829	21 Sagittarii	+ 3.5735	- 0.0004	- 0.003	- 1.523	- 0.519	+ 0.02	6247
830	Taylor 8509	+ 3.4200	- 0.0003	...	- 1.889	- 0.496	...	6279
831	... ..	+ 4.4145	- 0.0059	...	- 2.016	- 0.640	...	...
832	θ Coronæ Australis	+ 4.2865	- 0.0049	0.000	- 2.096	- 0.620	- 0.03	6296
833	... ..	+ 4.4901	- 0.0082	...	- 2.575	- 0.649	...	...
834	... ..	+ 4.4385	- 0.0069	...	- 2.588	- 0.641	...	...
835	3 Lyræ a (<i>Vega</i>)	+ 2.0181	+ 0.0016	+ 0.017	- 2.829	- 0.290	- 0.28	6355
836	... ..	+ 4.5024	- 0.0103	...	- 3.009	- 0.648	...	...
837	... ..	+ 4.4972	- 0.0103	...	- 3.141	- 0.647	...	...
838	... ..	+ 4.0804	- 0.0075	...	- 3.536	- 0.584	...	...
839	10 Lyræ β Var. 1	+ 2.2138	+ 0.0015	- 0.002	- 3.927	- 0.315	+ 0.03	6429
840	... ..	+ 4.0479	- 0.0084	...	- 4.003	- 0.578	...	...

832.—Proper motions from "Stone's Cape Catalogue."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
841	Lacaille 7519	8.0	1	18	47	55.34	129	4	56.6	1	0.66
842	O. A. S. 18060	7.0	1	18	53	49.98	121	7	25.2	1	0.64
843	39 Sagittarii ϵ	3.9	...	18	56	42.66	111	50	0.9	1	0.46
844	17 Aquilæ 3	3.1	...	18	59	17.71	76	19	59.0	12	0.59
845	21 Sagittarii ν	3.1	...	19	1	51.16	111	13	56.5	1	0.46
846	... ..	9.3	2	19	6	21.12	126	23	0.4	2	0.65
847	... ..	9.0	...	19	7	18.69	129	47	25.3	1	0.56
848	... ..	9.7	...	19	8	30.66	129	43	45.5	1	0.56
849	... ..	8.3	1	19	10	19.08	146	12	40.1	1	0.66
850	25 Aquilæ ω	5.1	...	19	11	34.33	78	38	32.0	6	0.60
851	30 Aquilæ δ	3.5	...	19	18	47.43	87	8	53.1	7	0.57
852	... ..	9.3	1	19	19	21.58	128	38	7.2	1	0.66
853	... ..	9.0	1	19	26	22.14	127	48	53.8	1	0.66
854	52 Sagittarii h^2	4.6	2	19	28	36.55	116	10	28.0	2	0.64
855	... ..	8.0	1	19	31	11.37	127	42	5.7	1	0.66
856	... ..	8.0	1	19	34	2.07	127	44	53.3	1	0.66
857	55 Sagittarii ϵ^2	5.0	...	19	34	54.46	105	25	59.4	1	0.46
858	50 Aquilæ γ	2.8	...	19	39	56.08	79	42	31.5	6	0.63
859	O. A. S. 19996	9.5	1	19	42	27.58	108	11	37.3	1	0.54
860	53 Aquilæ α (Altair) ..	1.0	...	19	44	17.51	51	23	50.1	4	0.61
861	55 Aquilæ η Var. 1	3.9	...	19	45	41.71	89	20	1.2	1	0.69
862	60 Aquilæ β	4.0	...	19	48	46.71	83	55	24.0	7	0.58
863	λ Ursæ Minoris	6.5	...	19	57	13.56	1	5	24.7	6	0.34
864	... ..	9.3	1	19	59	27.77	129	10	55.1	1	0.66
865	O. A. N. 20045	9.5	1	20	2	43.30	32	23	1.4	1	0.55
866	... ..	...	...	20	5	31.03	74	47	53.3	1	0.66
867	Lacaille 8370	7.6	1	20	7	13.98	152	18	42.3	1	0.75
868	O. A. S. 20356	9.0	1	20	8	31.97	110	25	36.6	1	0.62
869	6 Capricorni α^2	3.8	...	20	10	40.30	102	57	17.9	5	0.65
870	... ..	7.6	1	20	11	25.51	106	16	10.7	1	0.75
871	Lalande 30045	5.5	...	20	12	11.36	50	2	39.0	1	0.76
872	34 Cygni Var. 1	6.0	1	20	12	53.06	52	22	45.4	1	0.68
873	9 Capricorni β	3.4	...	20	13	32.06	105	11	56.7	2	0.46
874	Lalande 39126	8.0	1	20	15	41.33	105	12	45.0	1	0.55
875	... ..	9.0	1	20	15	54.03	106	16	51.2	1	0.75

842.—Comparison star for Eurydice in 1866.

861.— η Aquilæ Var. 1.—Period 7 176 days.—Range, 3.5 to 4.7 magnitude.865.—The *s. f.* companion of δ Cygni Var. 4.869.—The *s. f.* companion of δ Aquilæ Var. 4.

868.—Comparison star for Parthenope in 1862.

870.—874.—875.—Comparison stars for Hestia in 1865.

872.—34 Cygni Var. 1.—Supposed to vary from 3rd to 6th magnitude in several years.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
941	Lacaille 7510	+ 4.1343	- 0.0098	..	- 4.163	- 0.588	..	..
942	O. A. S. 18960	+ 3.8572	- 0.0077	..	- 4.067	- 0.646	..	..
943	39 Sagittarii ϵ	+ 3.5942	- 0.0053	+ 0.001	- 4.912	- 0.506	+ 0.06	6507
944	17 Aquilæ γ	+ 2.7578	+ 0.0003	- 0.006	- 5.131	- 3.357	+ 0.07	6528
945	41 Sagittarii ν	+ 3.5728	- 0.0057	- 0.004	- 5.347	- 0.500	+ 0.03	6548
946	..	+ 4.0203	- 0.0121	..	- 5.641	- 0.500	..	..
947	..	+ 4.1380	- 0.0144	..	- 5.806	- 0.576	..	..
948	..	+ 4.1371	- 0.0146	..	- 5.907	- 0.574	..	..
949	..	+ 4.0767	- 0.0328	..	- 6.058	- 0.689	..	..
950	25 Aquilæ ω	+ 2.8165	- 0.0003	- 0.003	- 6.162	- 0.388	- 0.02	6565
951	30 Aquilæ δ	+ 3.0093	- 0.0018	+ 0.014	- 6.700	- 0.410	- 0.10	6646
952	..	+ 4.0773	- 0.0161	..	- 6.806	- 0.556	..	..
953	..	+ 4.0386	- 0.0167	..	- 7.299	- 0.545	..	..
954	53 Sagittarii λ^0	+ 3.0540	- 0.0102	+ 0.002	- 7.563	- 0.490	- 0.02	6706
955	..	+ 4.0248	- 0.0176	..	- 7.771	- 0.538	..	..
956	..	+ 4.0213	- 0.0182	..	- 8.000	- 0.535	..	..
957	55 Sagittarii ϵ^0	+ 3.4332	- 0.0075	+ 0.001	- 8.069	- 0.456	- 0.02	6742
958	50 Aquilæ γ	+ 2.8520	- 0.0011	+ 0.001	- 8.470	- 0.373	0.00	6772
959	O. A. S. 19906	+ 3.4683	- 0.0087	..	- 8.670	- 0.452	..	..
960	53 Aquilæ α (Altair)	+ 2.8921	- 0.0014	+ 0.036	- 8.815	- 0.374	- 0.38	6802
961	55 Aquilæ η Var 1	+ 3.0582	- 0.0031	- 0.001	- 8.924	- 0.396	+ 0.04	6811
962	60 Aquilæ β	+ 2.9455	- 0.0020	+ 0.002	- 9.166	- 0.375	+ 0.47	6833
963	λ Ursæ Minoris	- 59.1926	- 29.8534	- 0.036	- 9.187	+ 7.405	- 0.01	6890
964	..	+ 4.0171	- 0.0239	..	- 9.087	- 0.504	..	..
965	O. A. N. 20046	+ 1.2392	- 0.0074	..	- 10.233	- 0.154	..	..
966	..	+ 2.7618	- 0.0004	..	- 10.443	- 0.339	..	..
967	Lacaille 8370	+ 5.2372	- 0.0772	..	- 10.571	- 0.643	..	6946
968	O. A. S. 20356	+ 3.4937	- 0.0116	..	- 10.667	- 0.427	..	..
969	6 Capricorni α^0	+ 3.3310	- 0.0094	+ 0.001	- 10.826	- 0.403	0.00	6974
970	..	+ 3.3999	- 0.0098	..	- 10.880	- 0.412	..	..
971	Lalande 39045	+ 2.1332	+ 0.0017	..	- 10.987	- 0.256	..	6986
972	34 Cygni Var. 1	+ 2.2102	+ 0.0019	..	- 10.988	- 0.264	..	6990
973	9 Capricorni β	+ 3.3754	- 0.0095	- 0.001	- 11.035	- 0.406	- 0.08	6995
974	Lalande 39125	+ 3.3947	- 0.0101	..	- 11.176	- 0.406	..	..
975	..	+ 3.3950	- 0.0101	..	- 11.207	- 0.406	..	..

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
876	... ..	9.8	1	20	17	1.92	121	11	13.7	1	0.65
877	11 Capricorni μ	5.0	...	20	21	16.20	108	15	4.5	9	0.61
878	... ..	8.6	2	20	23	10.13	125	57	53.1	2	0.75
879	... ..	8.7	1	20	23	27.03	124	56	27.3	1	0.55
880	Lalande 39525	7.0	1	20	25	5.04	86	1	54.2	1	0.75
881	... ..	9.0	...	20	26	32.29	121	12	4.1	1	0.54
882	... ..	9.0	1	20	27	24.47	121	5	21.7	1	0.62
883	... ..	9.5	1	20	28	54.11	121	5	54.5	1	0.62
884	... ..	9.0	1	20	29	59.00	143	51	26.6	1	0.73
885	... ..	9.3	1	20	31	42.69	124	40	12.9	1	0.55
886	Taylor 9518	7.1	2	20	32	6.37	105	26	26.8	2	0.65
887	... ..	9.0	2	20	34	52.00	128	13	6.3	2	0.74
888	... ..	8.6	1	20	35	58.17	124	59	44.1	1	0.75
889	... ..	8.5	1	20	36	46.45	148	22	57.3	2	0.72
890	50 Cygni α (Deneb)	1.5	...	20	36	53.82	45	11	38.8	4	0.62
891	... ..	10.4	1	20	39	23.25	74	4	49.4	1	0.73
892	O. A. S. 20841	7.9	3	20	39	23.83	116	53	58.9	3	0.76
893	2 Aquarii ϵ	3.8	...	20	40	28.45	99	58	50.5	1	0.64
894	... ..	9.3	1	20	43	48.16	124	57	31.1	1	0.73
895	6 Aquarii μ	4.8	...	20	45	28.84	99	28	50.9	1	0.72
896	32 Vulpeculæ	5.1	...	20	48	53.47	62	26	49.3	9	0.71
897	... ..	9.0	1	20	50	55.09	148	45	10.8	1	0.75
898	Lacaille 8630	7.0	1	20	51	35.61	126	38	31.4	1	0.74
899	... ..	9.6	2	20	57	56.21	120	24	37.2	2	0.74
900	8 Microscopii	6.8	2	20	57	59.04	120	39	4.2	3	0.75
901	23 Capricorni θ	4.3	...	20	58	28.27	107	45	34.9	1	0.77
902	... ..	9.7	1	20	59	53.89	129	0	47.2	2	0.63
903	... ..	9.0	2	21	0	44.06	120	4	3.4	2	0.77
904	61 Cygni 1st..	5.5	...	21	0	56.13	51	54	12.7	3	0.73
905	61 Cygni 2nd..	6.3	...	21	0	57.49	51	54	18.6	1	0.72
906	... ..	9.1	2	21	1	22.25	119	59	41.9	2	0.75
907	13 Aquarii ν	4.6	...	21	2	20.77	101	54	30.6	2	0.66
908	61 Cygni 5	3.5	...	21	7	10.30	60	19	3.2	8	0.67
909	... ..	9.4	2	21	13	59.50	128	59	34.9	2	0.68
910	... ..	7.8	1	21	14	30.54	125	28	38.2	2	0.69

892.—Comparison star for Upsilon in 1867.

899.—909.—903.—906.—Comparison stars for Sylvia in 1867.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
876	.. ..	+ 37410	- 00191	...	- 11280	- 0447	...	...
877	11 Capricorni <i>p</i>	+ 34318	- 00115	- 0006	- 11594	- 0403	+ 001	7042
878	... ..	+ 38500	- 00237	...	- 11729	- 0451	...	...
879	...	+ 38291	- 00229	...	- 11749	- 0447	...	...
880	Lalande 39525	+ 29973	- 00031	...	- 11865	- 0347	...	...
881	... ..	+ 37219	- 00200	...	- 11966	- 0431	...	...
882	... ..	+ 37172	- 00200	...	- 12028	- 0429	...	...
883	... ..	+ 37143	- 00201	...	- 12132	- 0427	...	...
884	... ..	+ 45245	- 00535	...	- 12207	- 0519	...	...
885	... ..	+ 38015	- 00234	...	- 12327	- 0432	...	...
886	Taylor 2518	+ 33630	- 00106	...	- 12354	- 0381	...	...
887	... ..	+ 38036	- 00275	...	- 12544	- 0438	...	...
888	... ..	+ 37997	- 00242	...	- 12618	- 0426	...	...
889	... ..	+ 47553	- 00694	...	- 12674	- 0533	...	...
890	50 Cygni <i>a</i> (<i>Deneb</i>)	+ 20433	+ 00021	- 0002	- 12682	- 0226	000	7171
891	... ..	+ 27793	00000	...	- 12850	- 0305	...	...
892	O. A. S. 20941	+ 35928	- 00177	...	- 12851	- 0397	...	...
893	2 Aquarii <i>e</i>	+ 32520	- 00094	- 0001	- 12923	- 0356	+ 001	7196
894	... ..	+ 37781	- 00248	...	- 13144	- 0410	...	...
895	6 Aquarii <i>μ</i>	+ 32396	- 00083	0000	- 13248	- 0349	+ 004	7239
896	32 Vulpeculae	+ 25555	+ 00020	- 0002	- 13477	- 0270	000	7256
897	... ..	+ 46909	- 00739	...	- 13608	- 0497	...	...
898	Lacaille 5630	+ 38006	- 00272	...	- 13651	- 0400	...	...
899	... ..	+ 36320	- 00215	...	- 14053	- 0372	...	...
900	8 Microscopii	+ 36372	- 00218	...	- 14056	- 0373	...	7316
901	23 Capricorni <i>θ</i>	+ 33768	- 00128	+ 0004	- 14085	- 0344	+ 006	7322
902	... ..	+ 38384	- 00306	...	- 14175	- 0391	...	...
903	... ..	+ 36177	- 00215	...	- 14326	- 0366	...	...
904	61 Cygni ... 1st	+ 23338	+ 00044	+ 0339	- 14241	- 0233	- 322	7336
905	61 Cygni ... 2nd	+ 23340	+ 00044	+ 0339	- 14244	- 0233	- 322	7337
906	... ..	+ 36145	- 00214	...	- 14366	- 0365	...	...
907	13 Aquarii <i>v</i>	+ 32695	- 00098	+ 0001	- 14326	- 0323	+ 001	7344
908	64 Cygni 3	+ 25506	+ 00038	+ 0003	- 14624	- 0248	+ 007	7365
909	... ..	+ 37804	- 00315	...	- 15022	- 0360	...	...
910	... ..	+ 37019	- 00274	...	- 15050	- 0351	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h	m	s	°	'	"		
911	32 Capricorni ϵ	4.4	...	21	14	50.15	107	23	57.5	3	0.62
912	... ..	9.1	2	21	18	48.44	153	51	48.9	3	0.60
913	... ..	7.9	1	21	20	19.50	150	47	4.0	1	0.75
914	... ..	8.0	2	21	21	21.72	128	55	32.2	2	0.60
915	Lacaille 8829	7.2	2	21	22	46.50	127	7	46.8	2	0.67
916	... ..	9.9	1	21	23	7.08	110	6	41.8	1	0.76
917	22 Aquarii β	3.1	...	21	24	33.34	96	9	17.6	7	0.71
918	... ..	9.5	...	21	27	15.97	132	37	30.9	1	0.73
919	... ..	7.7	1	21	29	54.66	127	45	35.1	1	0.65
920	40 Capricorni γ	3.8	...	21	32	42.97	107	15	42.2	2	0.58
921	Taylor 10068	7.2	2	21	34	32.46	134	5	55.3	2	0.74
922	Taylor 10065	6.6	1	21	34	40.68	145	6	17.8	1	0.68
923	... ..	6.3	1	21	34	56.33	133	59	40.1	1	0.75
924	8 Pegasi ϵ	2.4	...	21	37	39.11	80	44	0.3	8	0.73
925	... ..	9.2	1	21	37	51.03	127	47	22.8	1	0.65
926	45 Capricorni λ	5.4	...	21	39	22.37	101	58	40.4	2	0.77
927	49 Capricorni δ	3.0	...	21	39	41.68	106	43	45.2	2	0.62
928	... ..	9.6	2	21	41	6.30	127	46	39.4	2	0.69
929	Taylor 10126	7.0	1	21	41	11.11	137	13	36.7	1	0.76
930	... ..	8.8	1	21	43	4.19	132	30	37.8	1	0.75
931	... ..	7.5	2	21	45	13.02	127	31	6.9	2	0.61
932	51 Capricorni μ	5.2	...	21	46	2.53	104	10	35.3	3	0.72
933	16 Pegasi	5.0	...	21	47	0.60	64	41	59.4	4	0.69
934	... ..	9.4	2	21	50	52.89	127	28	35.6	2	0.75
935	... ..	9.1	3	21	52	56.58	127	29	47.0	3	0.64
936	... ..	8.7	3	21	52	58.49	129	31	50.3	3	0.74
937	ϵ Indi	5.9	2	21	53	10.12	147	19	50.9	2	0.76
938	Lacaille 9006	7.3	2	21	56	20.24	129	31	2.1	2	0.75
939	34 Aquarii α	3.2	...	21	58	57.05	90	57	54.2	4	0.74
940	33 Aquarii ι	4.3	...	21	59	16.02	104	30	50.2	2	0.54
941	W. B. E. XXI. 1413	9.0	1	22	1	58.24	78	8	55.6	1	0.73
942	... ..	9.7	1	22	3	21.97	129	4	27.9	1	0.74
943	43 Aquarii θ	4.3	...	22	9	48.74	98	26	40.8	8	0.74
944	... ..	8.2	1	22	12	14.21	129	25	46.2	1	0.73
945	... ..	7.6	1	22	12	30.64	150	36	55.8	1	0.74

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in R. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
911	32 Capricorni α ...	+ 3'3486	- 0'0130	0'000	- 15'069	- 0'316	- 0'02	7467
912	... ..	+ 4'8314	- 0'1051	...	- 15'296	- 0'449	...	...
913	... ..	+ 4'6064	- 0'0871	...	- 15'381	- 0'425	...	...
914	... ..	+ 3'7613	- 0'0816	...	- 15'430	- 0'343	...	...
915	Lacaille 8829... ..	+ 3'7133	- 0'0295	...	- 15'518	- 0'336	...	...
916	... ..	+ 3'3817	- 0'0147	...	- 15'537	- 0'305	...	...
917	22 Aquarii β	+ 3'1625	- 0'0071	- 0'001	- 15'616	- 0'282	0'00	7478
918	... ..	+ 3'8329	- 0'0371	...	- 15'764	- 0'339	...	...
919	... ..	+ 3'7024	- 0'0305	...	- 15'906	- 0'322	...	...
920	40 Capricorni γ ...	+ 3'3211	- 0'0130	+ 0'013	- 16'054	- 0'283	+ 0'03	7525
921	Taylor 10068... ..	+ 3'8403	- 0'0395	...	- 16'150	- 0'325	...	7538
922	Taylor 10065... ..	+ 4'2078	- 0'0840	...	- 16'157	- 0'357	...	7540
923	... ..	+ 3'8360	- 0'0394	...	- 16'167	- 0'324	...	...
924	8 Pegasi ϵ	+ 2'9451	- 0'0005	+ 0'003	- 16'310	- 0'242	0'00	7561
925	... ..	+ 3'6747	- 0'0307	...	- 16'320	- 0'304	...	...
926	45 Capricorni λ ...	+ 3'2355	- 0'0101	- 0'002	- 16'397	- 0'265	+ 0'01	7577
927	49 Capricorni δ ...	+ 3'3030	- 0'0128	+ 0'014	- 16'410	- 0'270	+ 0'28	7580
928	... ..	+ 3'6624	- 0'0307	...	- 16'483	- 0'297	...	...
929	Taylor 10126	+ 3'8919	- 0'0454	...	- 16'487	- 0'317	...	7591
930	... ..	+ 3'7616	- 0'0372	...	- 16'580	- 0'302	...	...
931	... ..	+ 3'6410	- 0'0304	...	- 16'656	- 0'287	...	...
932	51 Capricorni μ ...	+ 3'2585	- 0'0113	+ 0'021	- 16'726	- 0'265	- 0'02	7618
933	16 Pegasi	- 2'7256	+ 0'0052	+ 0'001	- 16'772	- 0'210	+ 0'01	7627
934	... ..	+ 3'6195	- 0'0301	...	- 16'955	- 0'275	...	...
935	... ..	+ 3'6121	- 0'0301	...	- 17'040	- 0'270	...	...
936	... ..	+ 3'6528	- 0'0330	...	- 17'053	- 0'273	...	...
937	ϵ Indi... ..	+ 4'1681	- 0'0724	+ 0'480	- 17'061	- 0'313	+ 2'45	7656
938	Lacaille 9006	+ 3'6357	- 0'0329	...	- 17'205	- 0'266	...	...
939	34 Aquarii α	+ 3'0834	- 0'0041	- 0'003	- 17'322	- 0'219	+ 0'02	7688
940	33 Aquarii ι	+ 3'2451	- 0'0113	- 0'001	- 17'335	- 0'231	+ 0'07	7691
941	W. B. E. XXI. 1413.	+ 2'9330	+ 0'0014	...	- 17'454	- 0'203	...	...
942	... ..	+ 3'6010	- 0'0312	...	- 17'514	- 0'236	...	...
943	43 Aquarii θ	+ 3'1638	- 0'0075	+ 0'006	- 17'782	- 0'205	+ 0'03	7773
944	... ..	+ 3'5702	- 0'0325	...	- 17'878	- 0'228	...	...
945	... ..	+ 4'1440	- 0'0843	...	- 17'895	- 0'265	...	...

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
946	... ..	9.1	2	22	14	54.76	129	25	26.7	2	0.77
947	... ..	9.2	2	22	19	2.14	140	44	50.7	2	0.76
948	R. P. L. 150	5.5	...	22	23	27.51	4	33	47.1	8	0.43
949	57 Aquarii σ	4.8	...	22	23	36.32	101	21	27.8	4	0.70
950	... ..	8.2	1	22	23	52.92	130	39	34.2	1	0.51
951	27 Cephei δ Var. 1. ...	4.0	...	22	24	14.21	32	16	54.8	2	0.75
952	... ..	9.3	1	22	24	47.95	129	43	46.9	1	0.80
953	62 Aquarii η	4.2	...	22	28	31.23	90	48	8.3	4	0.79
954	R. P. L. 153	7.6	...	22	29	8.81	2	35	45.1	1	0.84
955	63 Aquarii κ	5.5	...	22	30	51.95	94	54	48.3	2	0.62
956	... ..	8.9	1	22	34	24.37	155	30	24.8	1	0.76
957	42 Pegasi ζ	3.6	...	22	34	49.69	79	51	43.8	11	0.79
958	67 Aquarii	6.2	...	22	36	17.33	97	39	32.0	1	0.55
959	... ..	8.2	1	22	36	40.89	130	26	2.3	1	0.77
960	... ..	9.5	1	22	43	37.36	130	35	42.7	1	0.80
961	... ..	8.0	1	22	44	52.04	135	40	20.0	1	0.84
962	73 Aquarii λ	3.3	...	22	45	40.31	98	17	12.5	3	0.70
963	... ..	9.5	1	22	47	38.83	128	56	54.4	1	0.81
964	... ..	9.3	2	22	48	15.74	152	34	14.7	2	0.74
965	O. A. S. 22500	8.3	2	22	49	10.41	119	18	55.5	2	0.76
966	S Aquarii Var. 2	10.2	1	22	49	58.93	111	3	9.8	1	0.73
967	24 Pis. Aus. α (Fomalhaut)	1.3	...	22	50	17.65	120	10	35.8	4	0.81
968	... ..	8.0	2	22	53	34.73	128	4	20.8	2	0.74
969	... ..	10.3	...	23	54	49.70	101	42	8.6	1	0.73
970	53 Pegasi β Var. 1 (Scheat).	2.6	...	22	57	19.80	62	38	17.4	1	0.66
971	... ..	9.5	1	22	57	20.62	57	11	9.6	1	0.83
972	... ..	9.0	1	22	57	22.47	149	37	3.2	1	0.80
973	54 Pegasi α (Markab) ...	2.6	...	22	58	8.17	75	30	36.2	5	0.79
974	R Pegasi Var. 2	8.5	1	22	59	58.20	80	10	28.2	1	0.82
975	... ..	9.2	1	23	3	16.80	127	29	6.2	1	0.83
976	80 Aquarii ϕ	4.2	...	23	7	26.08	96	45	56.8	2	0.66
977	... ..	8.1	3	23	7	35.86	129	54	6.3	3	0.82
978	... ..	9.0	2	23	10	0.85	151	43	30.6	2	0.76
979	6 Piscium γ	3.8	...	23	10	16.22	87	26	28.6	10	0.81
980	93 Aquarii ψ	4.5	1	23	10	59.37	99	51	30.1	1	0.85

948.—Groombridge 3520.

951.— δ Cephei Var. 1.—Period 5.306 days.—Range, 3.7 to 4.8 magnitude.

954.—Carrington 3403.

955.—Comparison star for Calliope in 1866.

966.—S Aquarii Var. 2.—Period 279 days.—Range, 8th to below 13th magnitude.

970.— β Pegasi Var. 1.—(Scheat).—Period about 6 weeks.—Range, 2.0 to 2.5 magnitude.

974.—R Pegasi Var. 2.—Period 382 days.—Range, 7th to 13th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in H. A. C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
946		+ 3.5580	- 0.0324	...	- 17.983	- 0.222	...	...
947		+ 3.7699	- 0.0516	...	- 18.140	- 0.227	...	...
948	R. P. L. 150	- 3.7778	- 1.1818	+ 0.018	- 18.302	+ 0.233	- 0.05	7851
949	57 Aquarii ϵ ..	+ 3.1518	- 0.0089	- 0.004	- 18.307	- 0.182	- 0.05	7840
950	...	+ 3.5397	- 0.0337	...	- 18.317	- 0.202	...	...
951	27 Cephei δ Var. 1 ..	+ 2.2128	+ 0.0165	+ 0.002	- 18.329	- 0.123	+ 0.02	7848
952		+ 3.5205	- 0.0324	...	- 18.349	- 0.199	...	...
953	62 Aquarii η ..	+ 3.0798	- 0.0031	+ 0.003	- 18.479	- 0.166	+ 0.06	7868
954	R. P. L. 153	- 8.3165	- 3.8968	...	- 18.487	+ 0.476	...	...
955	63 Aquarii κ ..	+ 3.1157	- 0.0061	- 0.007	- 18.557	- 0.164	+ 0.11	7884
956	...	+ 4.1429	- 0.1067	...	- 18.672	- 0.213	...	...
957	42 Pegasi ζ ..	+ 2.9852	+ 0.0023	+ 0.001	- 18.686	- 0.149	0.00	7908
958	67 Aquarii ..	+ 3.1363	- 0.0063	...	- 18.732	- 0.155	...	7921
959	...	+ 3.4772	- 0.0327	...	- 18.744	- 0.173	...	...
960	...	+ 3.4470	- 0.0325	...	- 18.952	- 0.157	...	...
961		+ 3.5128	- 0.0395	...	- 18.987	- 0.157	...	...
962	73 Aquarii A ..	+ 3.1341	- 0.0063	- 0.006	- 19.009	- 0.137	- 0.03	7970
963		+ 3.4076	- 0.0300	...	- 19.064	- 0.146	...	...
964	...	+ 3.8654	- 0.0854	...	- 19.080	- 0.106	...	...
965	O. A. S. 22500	+ 3.3004	- 0.0204	...	- 19.104	- 0.139	...	...
966	8 Aquarii Var. 2 ..	+ 3.2269	- 0.0140	...	- 19.126	- 0.134	...	...
967	24 Piscis. Australis α .	+ 3.3063	- 0.0210	+ 0.022	- 19.135	- 0.135	+ 0.18	7992
968	...	+ 3.3714	- 0.0285	...	- 19.219	- 0.132	...	...
969	...	+ 3.1498	- 0.0073	...	- 19.250	- 0.121	...	...
970	53 Pegasi β Var. 1 ..	+ 2.8853	+ 0.0117	+ 0.014	- 19.310	- 0.106	- 0.15	8032
971	...	+ 2.8393	+ 0.0144	...	- 19.310	- 0.101	...	...
972	...	+ 3.6876	- 0.0705	...	- 19.311	- 0.138	...	...
973	54 Pegasi α (Markab).	+ 2.9600	+ 0.0056	+ 0.003	- 19.328	- 0.107	+ 0.02	8034
974	R Pegasi Var. 2 ..	+ 3.0122	+ 0.0034	...	- 19.371	- 0.106	...	...
975	...	+ 3.3233	- 0.0271	...	- 19.444	- 0.110	...	...
976	90 Aquarii ϕ ..	+ 3.1082	- 0.0045	+ 0.001	- 19.529	- 0.096	+ 0.19	8085
977	...	+ 3.3255	- 0.0294	...	- 19.533	- 0.102	...	...
978	...	+ 3.6100	- 0.0742	...	- 19.580	- 0.105	...	...
979	6 Piscium γ ..	+ 3.0592	+ 0.0006	+ 0.017	- 19.585	- 0.087	+ 0.01	8105
980	93 Aquarii ψ ..	+ 3.1217	- 0.0061	- 0.002	- 19.698	- 0.088	- 0.01	8109

970.—Proper motions from "Greenwich Catalogue 1872."

Mean Positions of Stars for 1867 January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
981	... ..	9.2	2	23	11	44.28	131	7	11.8	2	0.78
982	... ..	9.5	1	23	17	4.55	127	26	29.6	1	0.50
983	... ..	9.7	2	23	18	24.73	131	7	29.6	2	0.78
984	... ..	8.7	3	23	18	39.08	127	16	47.2	3	0.79
985	8 Piscium κ	5.0	...	23	20	6.89	89	28	20.4	9	0.50
986	... ..	7.3	1	23	20	55.78	88	50	30.5	1	0.84
987	Lacaille 9496	8.0	2	23	23	25.84	127	41	27.5	2	0.81
988	... ..	7.0	2	23	24	27.84	127	1	17.1	2	0.73
989	Lacaille 9514	9.0	1	23	26	2.65	131	34	46.9	1	0.82
990	Lacaille 9517	7.1	3	23	26	38.57	126	59	57.7	3	0.75
991	... ..	9.4	2	23	29	50.27	130	6	8.0	2	0.80
992	... ..	7.8	3	23	29	51.88	127	32	9.0	3	0.83
993	17 Piscium ϵ	4.3	...	23	33	6.60	85	5	39.7	0	0.80
994	18 Piscium λ	4.7	...	23	35	15.49	88	57	8.1	1	0.77
995	... ..	8.4	2	23	35	21.35	148	41	57.6	2	0.84
996	... ..	9.4	2	23	36	8.30	128	8	40.8	2	0.78
997	R Aquarii Var. 1... ..	9.7	2	23	36	56.42	106	1	18.3	2	0.50
998	Lacaille 9583	8.0	2	23	39	0.04	128	42	54.0	2	0.84
999	Lacaille 9597	8.0	3	23	40	32.45	128	53	44.4	3	0.82
1000	8 Sculptoris	4.6	...	23	41	59.55	118	51	57.4	4	0.78
1001	... ..	7.5	1	23	42	8.16	142	3	27.1	1	0.72
1002	21 Piscium	6.1	...	23	43	38.86	89	39	45.5	1	0.85
1003	... ..	9.3	2	23	42	56.43	129	42	48.4	2	0.82
1004	... ..	8.7	3	23	47	1.42	128	8	51.7	3	0.80
1005	Lacaille 9641	7.8	2	23	48	11.48	128	6	17.4	2	0.85
1006	Lacaille 9650	8.2	1	23	49	15.00	129	47	10.3	1	0.83
1007	... ..	9.0	1	23	51	54.03	152	19	40.5	1	0.73
1008	28 Piscium ω	4.2	...	23	52	38.03	63	52	23.1	3	0.82
1009	29 Piscium	5.1	...	23	55	0.52	93	46	5.7	1	0.85
1010	... ..	9.5	2	23	56	7.63	130	16	1.7	2	0.55
1011	... ..	9.3	1	23	56	35.79	126	42	22.8	1	0.80
1012	Taylor 10990	8.3	1	23	57	3.48	148	34	13.3	1	0.86
1013	Taylor 10997	9.0	1	33	58	12.05	126	45	30.6	1	0.74
1014	... ..	9.0	2	23	58	44.51	125	52	14.9	2	0.79
1015	Lacaille 9721	6.0	1	23	59	25.37	139	48	51.5	1	0.86
1016	Lacaille 9723	7.7	1	23	59	51.62	126	40	27.8	1	0.85

997.—R Aquarii Var. 1.—Period 388 days.—Range, 6th to 11th magnitude.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Number in B A C.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
981	...	+ 3.3161	- 0.0304	...	- 19.612	- 0.093	...	...
982	...	+ 3.1627	- 0.0259	...	- 19.704	- 0.081	...	...
983	...	+ 3.2828	- 0.0304	...	- 19.726	- 0.078	...	...
984	...	+ 3.2547	- 0.0255	...	- 19.730	- 0.077	...	...
985	8 Piscium α	+ 3.0699	0.0000	+ 0.005	- 19.752	- 0.069	+ 0.12	8160
986	...	+ 3.0676	+ 0.0003	...	- 19.763	- 0.068	...	...
987	Lacaille 9496	+ 3.2352	- 0.0254	...	- 19.800	- 0.066	...	...
988	...	+ 3.2278	- 0.0247	...	- 19.814	- 0.063	...	...
989	Lacaille 9514	+ 3.2472	- 0.0293	...	- 19.835	- 0.061	...	...
990	Lacaille 9517	+ 3.2182	- 0.0244	...	- 19.843	- 0.059	...	...
991	...	+ 3.2199	- 0.0272	...	- 19.882	- 0.052	...	...
992	...	+ 3.2063	- 0.0246	...	- 19.882	- 0.052	...	...
993	17 Piscium ϵ	+ 3.0586	+ 0.0030	+ 0.025	- 19.918	- 0.042	+ 0.16	8233
994	18 Piscium λ	+ 3.0696	+ 0.0011	- 0.011	- 19.938	- 0.039	+ 0.17	8243
995	...	+ 3.3082	- 0.0361	...	- 19.988	- 0.043	...	...
996	...	+ 3.1810	- 0.0244	...	- 19.946	- 0.039	...	...
997	R Aquarii Var. 1	+ 3.1097	- 0.0081	...	- 19.953	- 0.036	...	...
998	Lacaille 9583	+ 3.1702	- 0.0248	...	- 19.971	- 0.034	...	...
999	Lacaille 9597...	+ 3.1636	- 0.0246	...	- 19.983	- 0.030	...	...
1000	8 Sculptoris	+ 3.1299	- 0.0161	+ 0.009	- 19.993	- 0.026	+ 0.10	8275
1001	...	+ 3.2057	- 0.0408	...	- 19.991	- 0.028	...	...
1002	21 Piscium	+ 3.0714	+ 0.0011	- 0.002	- 19.998	- 0.025	+ 0.04	8281
1003	...	+ 3.1547	- 0.0251	...	- 19.999	- 0.025	...	...
1004	...	+ 3.1315	- 0.0232	...	- 20.023	- 0.017	...	...
1005	Lacaille 9641	+ 3.1262	- 0.0230	...	- 20.027	- 0.015	...	...
1006	Lacaille 9650	+ 3.1243	- 0.0244	...	- 20.033	- 0.012	...	...
1007	...	+ 3.1621	- 0.0590	...	- 20.042	- 0.008	...	...
1008	28 Piscium ω	+ 3.0673	+ 0.0047	+ 0.010	- 20.045	- 0.006	+ 0.13	8331
1009	29 Piscium	+ 3.0738	- 0.0004	- 0.002	- 20.051	0.000	+ 0.01	8346
1010	...	+ 3.0913	- 0.0240	...	- 20.052	+ 0.001	...	...
1011	...	+ 3.0809	- 0.0208	...	- 20.053	+ 0.003	...	...
1012	Taylor 10990	+ 3.1003	- 0.0482	...	- 20.053	+ 0.003	...	...
1013	Taylor 10997	+ 3.0797	- 0.0206	...	- 20.054	+ 0.006	...	...
1014	...	+ 3.0774	- 0.0198	...	- 20.054	+ 0.007	...	...
1015	Lacaille 9721	+ 3.0762	- 0.0336	...	- 20.055	+ 0.008	...	...
1016	Lacaille 9723	+ 3.0727	- 0.0295	...	- 20.055	+ 0.009	...	...

1009—Proper motions from "Stellar's Cape Catalogue."

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